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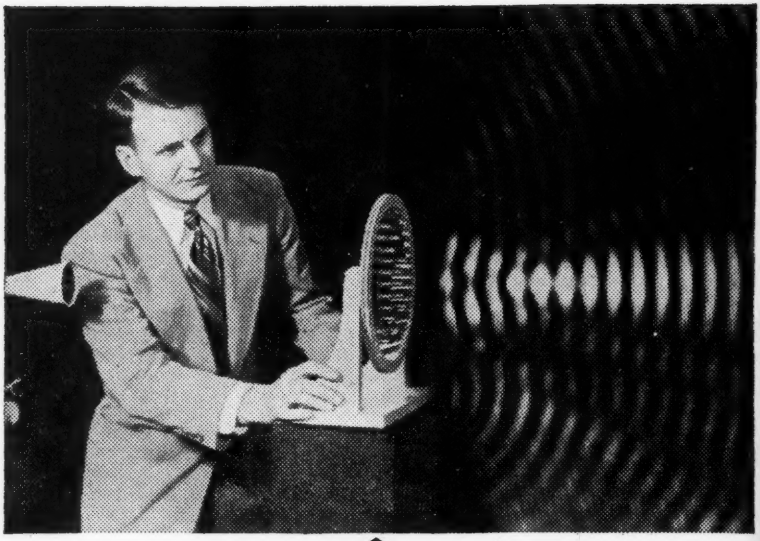
The American Society for Engineering Education



WAVE MAKING

—for better telephone service

Waves from the sound source at left are focused by the lens at center. In front of the lens, a moving arm (not shown) scans the wave field with a tiny microphone and neon lamp. The microphone picks up sound energy and sends it through amplifiers to the lamp. The lamp glows brightly where sound level is high, dims where it is low. This new technique pictures accurately the focusing effect of the lens. Similar lenses efficiently focus microwaves in radio relay transmission.

At Bell Laboratories, scientists devised the latest microwave lens by copying the molecular action of optical lenses in focusing light. Result was a new type of lens—the array of metal strips shown above. Giant metal strip lenses are used in the new microwave telephone and television link between New York and Chicago.

The scientists went on to discover that the very same type of lens could also focus sound . . . thus help, too, in the study of sound radiation . . . another field of great importance to your telephone system.

The study of the basic laws of waves and vibrations is just another example of research which turns into practical telephone equipment at Bell Telephone Laboratories . . . helping to bring you high value for your telephone dollar.

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1950 Enrollment in Engineering Colleges

By ROBERT C. STORY and HENRY H. ARMSBY *

Approximately 161,000 engineering students were enrolled this fall in the 142 [1] schools accredited by the Engineers' Council for Professional Development. The number of under-graduate students was 142,954; the number studying for the master's degree was 15,575; the number studying for the doctor's degree was 2,795.

The number of undergraduate students enrolled in institutions accredited by ECPD decreased 20.9 per cent from last year. At the graduate level, however, the number of students enrolled for the master's degree increased 3.3 per cent over the 1949 figure, while the number of students working for the doctor's degree was 10 per cent above 1949.

As compared with an over-all drop of 6.5 per cent in the total number of students registered in all higher educational institutions, the decline in the number of students enrolled in ECPD accredited schools was 18.6 per cent.

By class level, the per cent distribution of undergraduate enrollment was as follows: freshmen, 23.5; sophomores 21.7; juniors, 24.7; and seniors, 30.1. These per cents are approximately the same as for the preceding year. In comparing the number of students reported at each class level in both 1949 and 1950, this year's freshman class was found to be 19.5 per cent smaller than that reported in the previous year. The sophomore, junior and senior classes declined 23.6, 25.8 and 26.1 per cent, respectively, from the preceding year.

Two major factors contributed to the disproportionate decline in the number of engineering students this fall. On the one hand, the engineering schools, with predominately male student bodies, suffered greater losses through graduation in 1949–50 than did the colleges as a whole. On the other hand, proportionately fewer freshmen enrolled in engineering colleges than in all higher institutions. In engineering schools this fall, freshmen comprised 18.2 per cent of all students as compared to an over-all 23 per cent. The consistently diminishing numbers of new students each year since the fall of 1946 portends a concommitant decline in the number of engineering graduates in the years immediately ahead.

Another disturbing element in the engineering enrollment picture is the decline in the proportion of engineering students. Last fall, the students enrolled in ECPD accrediated institutions comprised 8 per cent of all college students. This year the engineering students accounted for only 7 per cent of the total college enrollment. One fact, clearly apparent from a comparison of engineering enrollment with all college enrollment, is that proportionately fewer students are choosing engineering as a career.

The 142 institutions accredited by the ECPD conferred, during the year ending June 30, 1950, a total of 48,160 bachelor's degrees in engineering, 4,865 master's and professional degrees, and 492 doctorates. These constitute 11.1 per cent of all bachelor's degrees conferred by U. S. colleges and universities, 8.4 per

* Of the U. S. Office of Education, Federal Security Agency. Mr. Story is Head, Technical Services Unit, Research and Statistical Service, and Mr. Armsby is Associate Chief for Engineering Education, Division of Higher Education.

[1] Eighteenth Annual Report (September 30, 1950) of the Engineers' Council for Professional Development.

cent of all master's degrees and 7.4 per cent of all doctorates. Last year these per cents were 11.4, 9.4, and 7.9, respectively.

The distribution of first degrees among the four principal engineering curricula was as follows: Mechanical engineering, 13,056; electrical engineering, 12,340; civil, 7,312, and chemical, 4,422.

In terms of the per cent of change from the previous year, almost 20 per cent more students were graduated in civil and electrical engineering. The number graduating in mechanical engineering was 12.4 per cent greater while the number of graduates in chemical engineering increased 6.9 per cent.

The data contained in this report are based on a survey of engineering schools and colleges made in October 1950, under the joint sponsorship of the U. S. Office of Education and the American Society for Engineering Education. In accordance with an agreement reached by the joint committee of the Office of Education and the ASEE, all institutions listed in the Office of Education Directory of Higher Education [2] which reported that they conferred degrees in engineering during 1949–50 [3] were requested to supply data. Eight Canadian institutions were also included. Replies were re-

[2] Education Directory, Part III, Higher Education, 1949–50.

[3] Earned Degrees Conferred in Higher Educational Institutions, 1949-50, Circular 282a, U. S. Office of Education, November 1950.

ENGINEERING STUDENTS ENROLLED IN U. S. AND CANADIAN INSTITUTIONS, AND DEGREES CONFERRED

Item	Number of Schools	Number Enrolled, Fall 1950			Degrees Conferred, 1949–50
		Men	Women	Total	
(1)	(2)	(3)	(4)	(5)	(6)
Enrolled in ECPD accredited schools:					
Undergraduate (bachelor's)	142	142,391	563	142,954	48,160
Graduate (master's)	115	15,516	59	15,575	4,865
(doctor's)		2,790	5	2,795	492
Enrolled in other U. S. schools:					
Undergraduate (bachelor's)	48	18,583	55	18,638	4,572
Graduate (master's)	8	293	1	294	39
(doctor's)		6	0	6	2
Enrolled in all U. S. schools:					
Undergraduate (bachelor's)	190	160,974	618	161,592	52,732
Graduate (master's)	123	15,809	60	15,869	4,904
(doctor's)		2,796	5	2,801	494
Enrolled in Canadian Schools:					
Undergraduate (bachelor's)	7	4,130	14	4,144	1,709
Graduate (master's)	6	133	0	133	61
(doctor's)		8	0	8	0
Enrolled in U. S. and Canadian schools:					
Undergraduate (bachelor's)	197	165,104	632	165,736	54,441
Graduate (master's)	129	15,942	60	16,002	4,965
(doctor's)		2,804	5	2,809	494

ceived from all institutions accredited by the ECPD, from 48 other U. S. institutions, and from 7 in Canada.

As proposed by the joint ASEE and Office of Education Committee and approved by the ASEE general council, the tabulations in this report list individually only the ECPD accredited institutions (eligible for active institutional membership in the ASEE) but contain data for the other U. S. institutions as a group and for the Canadian institutions as a group. Detailed data for these two groups will be made available by the U. S. Office of Education.

Definition of Items:

Period covered: Engineering schools were asked to report student enrollment as of October 6, 1950. A few institutions, however, because of late opening, were unable to report before late November. Degree data are for the period July 1, 1949 to June 30, 1950.

Undergraduate students: Institutions were requested to report by class level only those full-time students who were enrolled definitely as candidates for an engineering degree. "Part-time students" (both day and evening) may include degree candidates as well as students who are not working toward a degree.

Graduate students: Institutions were requested to "Report all students who have been admitted to formal graduate standing and are enrolled in graduate courses—regardless of the number of credit hours carried by the student, and regardless of whether the student's work is administered by the engineering college or the graduate school."

PRE-WAR AND POST-WAR COMPARISON OF ENGINEERING COLLEGE ENROLLMENTS
(for United States only)

Undergraduate Enrollment

Year	Freshman	Sophomore	Junior	Senior	5th Yr.	Part Time and Evening	Total	No. of First Degrees
1940	33,175	24,242	20,120	16,310	985	12,945	108,291	11,358 (1939–40)
1947	57,507	71,615	48,227	32,369	1,846	17,766	230,180	18,592 (1946–47)
1948	47,672	52,949	59,945	45,695	1,924	16,912	226,117	27,460 (1947–48)
1949*	36,508	35,648	41,695	50,991	2,326	13,478	180,646	41,793 (1948–49)
1950*	29,394	27,242	30,957	37,707	3,150	14,504	142,954	48,160 (1949–50)

Graduate Enrollment

	Master's Degrees and other Pre-Doctoral Degrees					Doctor's Degrees				
Year	Full Time	Part Time	Evening	Total	Master's and other Pre-Doctoral Degrees	Full Time	Part Time	Evening	Total	Doctor's Degrees
1940	2,003	980	1,599	4,582	1,318 (1939–40)	404	179	41	624	108 (1939–40)
1947	5,465	3,663	3,515	12,643	3,090 (1946–47)	704	784	79	1,567	127 (1946–47)
1948	6,138	2,348	4,882	13,368	4,303 (1947–48)	1,046	569	454	2,069	252 (1947–48)
1949*	6,277	4,056	4,746	15,079	4,783 (1948–49)	1,593	793	155	2,541	417 (1948–49)
1950*	8,150		7,425	15,575	4,865 (1949–50)	2,342		453	2,795	492 (1949–50)

	1940	1947	1948	1949	1950
Total college enrollment in U. S.	1,490,000	2,333,000	2,410,000	2,456,000	—
Engineering enrollment in U. S.	113,497	244,390	241,554	187,970*	161,324*
Per cent engineering to total.....	7.6%	10.5%	10%	7.7%*	

* Includes only ECPD accredited institutions.

Undergraduate Engineering Enrollment by Curricula, October 6, 1950

* Includes only ECPD accredited institutions.

Undergraduate Engnieering Enrollment, by Curricula, October 6, 1950

Engineering Curricula	No. of Schools	Total Number Enrolled for Their First Engineering Degree										No. of First Engineering Degrees Conferred 1949-50	
		1st yr.	2nd yr.	3rd yr.	4th yr.	5th yr. of 5-yr. Curriculum	5th yr. of Cooperative Program	Part-time Day and Evening Students	Special Day and Evening Students	Total			
										Men	Women	Men	Women
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Schools accredited by ECPD:													
Aeronautical	40	942	813	827	981	33	48	222	32	3,873	25	1,264	15
Agricultural	34	319	377	451	569	29	—	3	7	1,755	—	592	—
Architectural	28	802	914	941	1,078	182	47	43	5	3,977	35	821	8
Ceramic	13	127	169	189	268	10	8	—	9	776	4	278	4
Chemical	106	2,686	2,921	3,147	3,695	124	301	620	123	13,559	58	4,402	20
Civil	130	3,886	4,836	5,574	6,480	104	288	980	301	22,407	42	7,302	10
Electrical	133	4,793	5,727	6,742	8,453	167	559	2,098	506	29,001	44	12,329	11
Engineering Mechanics	25	6	8	19	24	—	—	—	—	56	1	14	—
Engineering Physics	31	326	366	430	429	24	11	25	11	1,610	12	453	2
General Engineering	27	621	610	553	803	—	2	545	3	3,131	6	1,210	3
Geological	22	288	300	304	341	1	—	1	4	1,236	3	332	1
Industrial[1]	63	738	1,095	1,631	2,087	84	85	213	58	5,983	8	2,863	5
Mechanical	128	5,020	6,291	7,598	9,514	235	691	2,446	411	32,156	50	13,036	20
Metallurgical	49	478	526	643	767	29	29	244	7	2,719	4	949	1
Mining	31	286	335	401	473	7	1	3	6	1,511	1	462	1
Naval Arch. & Marine	3	36	52	64	91	8	—	—	1	252	—	62	—
Petroleum	23	690	666	796	985	10	—	5	15	3,162	5	947	1
Sanitary	20	36	30	37	77	1	—	—	—	181	—	49	—
Textile	4	103	100	105	109	—	—	—	3	420	—	196	1
Unclassified	82	6,972	803	101	58	2	—	4,690	849	13,217	258	44	1
Others	41	239	303	404	425	21	9	2	13	1,409	7	446	5
Total E.C.P.D.	142	29,394	27,242	30,957	37,707	1,071	2,079	12,140	2,364	142,391	563	48,051	109
Other U.S. Schools	48	4,905	3,673	3,466	3,995	68	296	2,173	62	18,583	55	4,567	5
All U.S. Schools	190	34,299	30,915	34,423	41,702	1,139	2,375	14,313	2,426	160,974	618	52,618	114
Canadian Schools	7	806	763	908	1,153	474	40	—	—	4,130	14	1,708	1
Grand Total (U.S. & Canada)	197	35,105	31,678	35,331	42,855	1,613	2,415	14,313	2,426	165,104	632	54,326	115

[1] Includes administrative engineering, management engineering, etc.

Total Undergraduate Engineering Enrollment, by School, October 6, 1950

Institution	Total Number Enrolled for Their First Engineering Degree										No. of First Engineering Degrees Conferred 1949–50	
	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yr. of 5-yr. Curriculum	5th yr. of Cooperative Program	Part-Time Day and Evening Students	Special Day and Evening Students	Total			
									Men	Women	Men	Women
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
ECPD accredited Schools:												
Ala. Poly	407	328	309	276	—	—	—	13	1,332	1	577	2
Univ. Ala.	150	130	188	197	—	—	384	2	1,049	2	341	—
Alabama												
Univ. of Ariz.	163	177	175	233	—	—	—	5	751	2	197	—
Arizona												
Univ. Arkansas	86	116	137	181	—	—	—	—	519	1	235	—
Arkansas												
Calif. Tech.	174	62	83	82	—	—	—	—	401	—	99	—
Stanford	137	137	148	147	—	—	—	—	569	—	231	—
Univ. Calif. Los A.	120	143	224	161	—	—	—	—	648	—	220	1
Univ. Calif.	211	273	683	789	—	—	—	—	1,950	6	964	7
Univ. So. Calif.	61	102	393	549	—	—	122	54	1,281	—	635	1
Santa Clara	61	60	67	55	9	—	—	—	252	—	74	—
California												
Colo. A & M.	142	107	115	145	—	—	—	—	509	—	171	—
Colo. Mines	224	204	246	229	—	—	—	—	902	1	240	1
Univ. Colo.	267	269	476	485	—	—	462	10	1,956	13	705	5
Univ. Denver	95	79	110	188	—	6	18	—	492	4	269	1
Colorado												
U.S. Coast Guard	203	133	88	66	—	—	—	—	490	—	66	—
Univ. Conn.	249	199	178	188	—	—	—	—	814	—	234	—
Yale	200	207	211	232	—	—	—	—	850	—	361	—
Connecticut												
Univ. Delaware	85	73	101	143	—	—	—	—	400	2	160	—
Delaware												
Univ. Florida	385	310	172	246	—	—	—	—	1,112	1	287	—
Florida												
Georgia Tech.	958	742	827	747	27	—	—	—	3,301	—	1,196	—
Georgia												
Univ. Idaho	117	114	103	131	—	—	—	—	465	—	126	—
Idaho												
Ill. Inst. Tech.	249	330	538	740	—	65	3,637	19	5,356	222	816	3
Northwestern	163	164	161	120	—	143	—	30	779	2	199	—
Univ. Illinois	953	778	788	976	1	—	—	—	3,475	21	1,146	2
Illinois												
Notre Dame	435	239	223	131	—	—	—	—	1,028	—	302	—
Purdue	869	950	1,216	1,601	—	—	—	310	4,920	26	2,045	3
Rose Poly	82	71	91	76	—	—	3	—	323	—	188	—
Indiana												
Iowa State Col.	529	414	522	459	—	—	—	—	1,916	8	867	—
State Univ. Iowa	65	100	91	114	—	—	—	—	370	—	228	1
Iowa												
Kansas State Col.	164	206	262	379	—	—	—	—	1,009	2	515	—
Univ. Wichita	150	40	26	13								

Notre Dame	—	—	—	—	—	—	—	—	—	—	—	—
Purdue	869	950	1,216	1,601	—	—	3	—	323	—	188	—
Rose Poly	82	71	91	76	—	—	—	—	—	—	—	—
Indiana												
Iowa State Col.	529	414	522	459	—	—	—	—	1,916	8	867	—
State Univ. Iowa	65	100	91	114	—	—	—	—	370	—	228	1
Iowa												
Kansas State Col.	164	206	262	379	—	—	—	—	1,009	2	515	—
Univ. Wichita	150	40	26	13	—	—	51	—	280	—	13	—
Univ. Kansas	127	184	284	411	—	—	—	—	999	7	424	1
Kansas												
Univ. Kentucky	176	201	183	261	—	—	—	4	820	5	402	1
Univ. Louisville	85	91	111	106	43	—	—	—	436	—	105	—
Kentucky												
La. St. Univ.	282	187	280	398	—	—	—	—	1,144	3	469	1
Tulane	132	96	73	107	—	—	4	—	411	1	122	—
La. Poly. Inst.	152	77	108	113	—	—	—	10	459	1	148	—
Louisiana												
Univ. Maine	147	190	310	352	—	—	—	4	1,003	—	349	—
Maine												
Johns Hopkins	136	138	114	126	—	—	9	1	524	—	143	—
Univ. Maryland	267	224	212	262	2	—	—	—	966	1	278	—
Naval Post-Grad. Sch.	—	—	138	141	—	—	—	—	279	—	146	—
Maryland												
Harvard	—	41	29	19	—	—	—	—	89	—	27	—
Mass. Inst. Tech.	572	547	692	837	8	—	—	—	2,646	10	866	2
Northeastern	560	390	392	434	—	340	—	—	2,108	8	257	4
Tufts	170	148	118	135	—	—	—	—	571	—	137	2
Univ. Mass.	97	65	102	130	—	—	—	—	394	—	237	—
Worcester Poly	172	172	172	165	—	—	—	—	681	—	191	—
Massachusetts												
Mich. M. & T.	270	263	267	334	9	—	5	—	1,147	1	502	—
Mich. State Col.	182	189	334	461	—	—	—	—	1,165	1	559	1
Univ. Detroit	308	268	277	397	—	546	176	—	1,970	2	271	—
Univ. Michigan	330	379	654	969	—	—	—	27	2,347	12	1,122	4
Wayne Univ.	293	272	265	230	—	—	—	95	1,150	5	1,122	1
Michigan												
Univ. of Minn.	359	338	400	707	157	—	—	31	1,989	3	1,134	2
Minnesota												
Miss. State Col.	97	106	117	161	—	—	—	—	481	—	212	—
Univ. Miss.	48	36	46	46	—	—	—	1	177	—	37	—
Mississippi												
Mo. Mines	156	253	440	633	—	—	—	—	1,478	4	818	4
Univ. Missouri	153	156	169	268	—	—	—	—	746	—	343	—
Wash. Univ. St. L.	125	169	214	220	—	—	—	—	725	3	299	2
Missouri												
Montana Mines	60	68	56	72	—	—	—	—	256	—	53	—
Montana St. Col.	95	133	94	187	—	—	—	—	509	—	270	—
Montana												
Univ. Nebraska	172	185	175	274	—	—	—	1	805	2	395	2
Nebraska												
Univ. Nevada	109	55	53	44	—	—	—	12	272	1	158	—
Nevada												
Dartmouth	65	42	26	28	—	—	—	—	161	—	29	—
Univ. New Hampshire	120	109	100	113	—	—	—	7	449	—	156	1
New Hampshire												
Newark	222	307	312	318	—	—	997	—	2,148	8	394	2
Princeton	143	120	127	144	—	—	—	—	534	—	141	—
Rutgers	115	95	115	168	—	—	—	1	492	2	154	—
Stevens	190	239	181	324	—	—	2	1	937	—	340	—
New Jersey												

Total Undergraduate Engineering Enrollment, by School, October 6, 1950—*Continued*

Institution	Total Number Enrolled for Their First Engineering Degree										No. of First Engineering Degrees Conferred 1949–50	
	1st yr.	2nd yr.	3rd yr.	4th yr.	5th yr. of 5-yr. Curriculum	5th yr. of Cooperative Program	Part-Time Day and Evening Students	Special Day and Evening Students	Total			
									Men	Women	Men	Women
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
New Mex. Mines	77	63	74	92	—	—	1	—	305	2	115	—
Univ. New Mexico	121	127	144	145	—	—	—	47	581	3	215	—
New Mexico												
Alfred	70	50	54	54	—	—	—	8	234	2	74	1
Brooklyn Poly	172	330	422	433	—	—	2,015	—	3,372	—	445	—
Clarkson	212	231	264	324	—	—	4	—	1,035	—	379	—
City Col. of N. Y.	665	471	393	620	—	—	—	1,041	3,166	24	749	9
Columbia	—	—	114	158	—	—	—	—	272	—	232	—
Cooper Union	103	95	67	61	—	—	375	—	697	4	161	3
Cornell	490	416	278	292	180	—	—	8	1,652	12	525	2
Manhattan	184	155	180	308	—	—	—	—	827	—	215	—
N. Y. Univ.	252	313	370	410	—	—	1,344	26	2,710	5	529	—
Pratt	56	57	76	140	—	—	—	—	327	2	193	1
Rensselaer	615	639	795	1,173	—	—	—	216	3,418	20	1,184	3
Syracuse	128	175	216	395	—	—	—	4	914	4	517	4
Union Col.	82	55	50	75	—	—	47	5	314	—	111	—
Rochester	49	29	64	57	—	—	—	—	199	—	101	—
Webb	18	14	10	14	—	—	—	—	56	—	19	—
New York												
Duke	106	88	87	98	—	—	—	—	379	—	115	1
N. C. State Col.	395	378	316	492	—	—	—	—	1,578	3	557	1
North Carolina												
N. D. Ag. Col.	85	73	101	127	—	—	—	—	386	—	—	—
Univ. N. Dakota	53	41	65	97	—	—	—	—	256	—	132	—
North Dakota												
Akron	70	72	40	77	—	—	—	1	258	2	138	1
Case	270	288	345	320	—	—	207	4	1,434	—	551	—
Cincinnati	335	271	299	288	—	324	—	—	1,516	1	290	3
Fenn	91	127	126	160	—	120	552	64	1,234	6	212	4
Ohio State Univ.	417	413	367	443	572	119	101	21	2,447	6	546	5
Toledo	108	87	136	164	—	—	231	—	722	4	253	1
Ohio												
Okla. A. & M.	291	209	267	495	—	—	—	4	1,260	6	554	1
Tulsa	127	145	133	137	—	—	—	19	559	2	115	—
Univ. Okla.	371	348	458	753	—	—	—	—	1,930	—	643	1
Oklahoma												
Oregon State Col.	226	198	211	298	—	—	—	—	932	1	527	1
Oregon												
Bucknell	86	77	88	96	—	—	—	—	345	2	169	—
Carnegie	250	268	281	262	—	—	679	8	1,744	4	408	1
Drexel	335	289	245	238	—	249	260	14	1,627	3	193	2
Lafayette	129	139	145	185	—	—	—	—	598	—	213	—
Lehigh	457	387	326	300	—	—	—	—	1,470	—	440	—
Penn State Col.	757	645	640	655	—	—	—	17	2,709	5	834	1
Pittsburgh	293	343	385	448	—	—	358	—	1,825	2	738	1
Swarthmore	20	25	25	25	—	—	—	4	98	1	53	—
Univ. Pennsylvania	104	92	134	113	—	—	—	1	444	—	[illegible]	[illegible]
Villanova	101	[illegible]	[illegible]	[illegible]	—	—	—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Bucknell	250	268	281	262	—	249	260	14	1,627	3	193	—
Carnegie	335	289	245	238	—	—	—	—	598	—	213	—
Drexel	129	139	145	185	—							
Lafayette												
Lehigh	457	387	326	300	—	—	—	—	1,470	—	440	—
Penn State Col.	757	645	640	655	—	—	—	17	2,709	5	834	1
Pittsburgh	293	343	385	448	—	—	358	—	1,825	2	738	1
Swarthmore	20	25	25	25	—	—	—	4	98	1	53	—
Univ. Pennsylvania	104	92	134	113	—	—	—	1	444	—	175	—
Villanova	121	105	104	144	2	—	—	—	476	—	289	—
Pennsylvania												
Brown	99	53	41	83	—	—	—	—	273	3	145	—
R. I. State Col.	128	111	115	147	—	—	—	—	497	4	184	—
Rhode Island												
Citadel	111	82	69	88	—	—	—	—	350	—	145	—
Clemson	416	224	246	193	—	—	—	—	1,079	—	306	—
Univ. S. Carolina	104	79	78	130	—	—	11	—	401	1	136	—
South Carolina												
S. Dakota Mines	123	71	91	152	—	—	—	—	436	1	169	—
S. Dakota State Col.	71	67	70	93	—	—	—	—	300	1	146	—
South Dakota												
Univ. Tennessee	173	214	218	240	—	66	—	5	916	—	380	—
Vanderbilt	104	110	103	107	—	—	—	—	424	—	192	—
Tennessee												
A. & M. Col. Texas	804	830	678	499	38	—	43	11	2,903	—	863	—
Rice	146	101	76	85	—	—	—	—	406	2	94	—
Southern Methodist	133	90	48	77	—	101	16	9	474	—	207	—
Texas Col. A. & I.	53	63	38	46	—	—	—	—	199	1	60	1
Texas Tech. Col.	224	168	221	335	—	—	—	—	945	3	336	2
Texas Western	132	85	66	52	—	—	—	—	335	—	65	—
Univ. Texas	266	387	490	597	—	—	—	—	1,731	9	687	—
Texas												
Utah Ag. Col.	30	29	48	40	—	—	—	—	147	—	54	—
Univ. Utah	119	194	238	188	—	—	—	—	738	1	231	—
Utah												
Norwich	63	39	48	67	—	—	—	—	217	—	52	—
Univ. Vermont	57	49	53	83	—	—	—	3	245	—	103	—
Vermont												
Va. Military Inst.	153	101	94	107	—	—	—	—	455	—	119	—
Va. Poly. Inst.	469	430	421	649	—	—	3	8	1,980	—	804	—
Univ. Virginia	79	69	102	116	—	—	—	—	365	1	97	—
Virginia												
Wash. State Col.	177	125	180	179	23	—	—	—	682	2	281	—
Univ. Washington	389	231	248	425	—	—	—	—	1,289	4	510	1
Washington												
W. Virginia Univ.	79	145	193	208	—	—	—	8	633	—	314	—
West Virginia												
Marquette	177	235	221	280	—	—	—	137	1,050	—	358	—
Univ. Wisconsin	523	433	482	542	—	—	—	—	1,980	—	790	—
Wisconsin												
Univ. Wyoming	79	81	83	117	—	—	—	—	357	3	212	1
Wyoming												
Catholic Univ.	62	68	126	195	—	—	23	—	474	—	270	—
George Washington Univ.	163	126	147	189	—	—	—	33	652	6	168	—
Howard Univ.	56	33	38	57	—	—	—	—	183	1	47	—
District of Columbia												
Univ. Alaska	—	1	—	1	—	—	—	—	2	—	—	—
Alaska												
Total ECPD Schools	29,394	27,242	30,957	37,707	1,071	2,079	12,140	2,364	142,391	563	48,051	109

Graduate Engineering Enrollment, by Curricula, October 6, 1950

Engineering Curricula	No. of Schools	Number Enrolled in Work for the Master's Degree				No. of Master's Degrees Conferred in Eng'g 1949–50		Number Enrolled in Work for Other Post-Graduate Pre-Doctoral Degrees[1]				No. of Post-Grad. Degrees Conferred in Eng'g 1949–50		Number Enrolled in Work for the Doctor's Degree				No. of Doctor's Degrees Conferred in Eng'g 1949–50	
		Day Students Full Time and Part Time	Evening and Special Students	Total				Day Students Full Time and Part Time	Evening and Special Students	Total				Day Students Full Time and Part Time	Evening and Special Students	Total			
				Men	Wo.	Men	Wo.			Men	Wo.	Men	Wo.			Men	Wo.	Men	Wo.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Schools accredited by ECPD:																			
Aeronautical	34	452	201	648	5	305	—	37	—	37	—	21	—	110	41	151	—	25	—
Agricultural	22	138	147	285	—	40	—	—	—	—	—	—	—	17	—	17	—	2	—
Architectural	12	69	—	67	2	12	—	—	—	—	—	—	—	2	—	2	—	—	—
Ceramic	14	72	—	72	—	54	—	—	—	—	—	—	—	34	—	34	—	14	—
Chemical	83	1,149	871	2,009	11	698	1	20	3	23	—	12	—	568	106	672	2	178	—
Civil	89	1,032	789	1,815	6	704	1	12	3	15	—	20	—	190	30	220	—	32	—
Electrical	94	1,781	2,475	4,250	6	1,133	1	48	4	52	—	31	—	568	184	751	1	85	—
Engineering Mechanics	26	159	50	209	—	69	—	6	—	6	—	1	—	107	3	110	—	13	—
Engineering Physics	16	90	82	165	7	66	—	—	—	—	—	—	—	29	2	31	—	1	—
General Engineering	4	90	26	116	—	22	1	—	—	—	—	—	—	31	—	30	1	3	—
Geological	11	94	—	94	—	19	1	—	—	—	—	—	—	16	—	16	—	—	—
Industrial[2]	32	332	733	1,063	2	241	2	—	—	—	—	12	—	9	34	43	—	3	—
Mechanical	93	1,371	1,437	2,801	7	809	1	44	1	45	—	14	—	264	24	287	1	48	—
Metallurgical	40	306	247	550	3	179	1	4	—	4	—	4	—	205	26	231	—	46	—
Mining	21	71	10	81	—	32	—	1	—	1	—	4	—	13	—	13	—	1	—
Naval Arch. & Marine	4	20	—	20	—	10	—	92	—	92	—	27	—	1	—	1	—	—	—
Petroleum	13	141	2	143	—	71	—	—	—	—	—	1	—	11	—	11	—	2	—
Sanitary	16	114	—	114	—	71	—	10	—	10	—	1	—	20	—	20	—	2	—
Textile	2	16	—	16	—	6	—	—	—	—	—	—	—	3	—	3	—	1	—
Unclassified	18	65	258	317	6	35	—	—	—	—	—	—	—	1	—	1	—	7	—
Others	24	310	86	392	4	129	1	4	—	4	—	2	—	143	3	146	—	29	—
Total E.C.P.D.	115	7,872	7,414	15,227	59	4,705	10	278	11	289	—	150	—	2,342	453	2,790	5	492	—
Other U.S. Schools	8	127	167	293	1	39	—	—	—	—	—	—	—	6	—	6	—	2	—
All U.S. Schools	123	7,999	7,581	15,520	60	4,744	10	278	11	289	—	150	—	2,348	453	2,796	5	494	—
Canadian Schools	6	125	8	133	—	61	—	—	—	—	—	—	—	7	1	8	—	—	—
Grand Total (U.S. and Canada)	129	8,124	7,589	15,653	60	4,805	10	278	11	289	—	150	—	2,355	454	2,804	5	494	—

[1] Other engineering degrees requiring work beyond the Master's degree, but less than the requirements for a Doctor's degree.
[2] Includes administrative engineering, management engineering, etc.

Grand Total (U.S. and Canada)	129	8,124	7,589	15,653	60	4,805	10	278	11	289	—	150	—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[1] Other engineering degrees requiring work beyond the Master's degree, but less than the requirements for a Doctor's degree.
[2] Includes administrative engineering, management engineering, etc.

Total Graduate Engineering Enrollment, by School, October 6, 1950

Institution	Number Enrolled in Work for the Master's Degree				No. of Master's Degrees Conferred in Eng'g 1949–50		Number Enrolled in Work for Other Post-Graduate Pre-Doctoral Degrees[1]				No. of Post-Grad. Degrees Conferred in Eng'g 1949–50		Number Enrolled in Work for the Doctor's Degree				No. of Doctor's Degrees Conferred in Eng'g 1949–50	
	Day Students Full Time and Part Time	Evening and Special Students	Total				Day Students Full Time and Part Time	Evening and Special Students	Total				Day Students Full Time and Part Time	Evening and Special Students	Total			
			Men	Wo.	Men	Wo.			Men	Wo.	Men	Wo.			Men	Wo.	Men	Wo.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
ECPD accredited Schools:																		
Alabama Poly	10	—	9	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Univ. Alabama	18	15	33	—	13	—	—	—	—	—	—	—	—	—	—	—	—	—
Alabama																		
Univ. Arizona	14	—	14	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Arizona																		
Univ. Arkansas	30	—	30	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Arkansas																		
Calif. Tech.	97	—	97	—	86	—	36	—	36	—	21	—	65	—	65	—	22	—
Stanford	190	—	190	—	130	—	36	—	36	—	15	—	59	—	59	—	15	—
Univ. Calif. Los A.	87	—	87	—	14	1	—	—	—	—	—	—	30	—	29	1	2	—
Univ. Calif.	231	—	228	3	86	—	17	—	17	—	3	—	75	—	75	—	13	—
Univ. So. Calif.	110	174	284	—	69	—	14	2	16	—	22	—	4	2	6	—	—	—
California																		
Colo. A. & M.	15	—	15	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—
Colo. Mines	76	—	76	—	18	—	—	—	—	—	—	—	36	—	36	—	1	—
Univ. Colorado	62	172	234	—	57	—	—	—	—	—	5	—	3	—	3	—	—	—
Univ. Denver	17	10	27	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—
Colorado																		
Univ. Connecticut	16	62	78	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Yale Univ.	69	3	72	—	49	—	—	—	—	—	—	—	49	—	49	—	17	—
Connecticut																		
Univ. Delaware	12	97	109	—	18	—	—	—	—	—	—	—	1	24	25	—	8	—
Delaware																		
Univ. Florida	75	—	75	—	27	—	—	—	—	—	—	—	13	—	13	—	—	—
Florida																		

Total Graduate Engineering Enrollment, by School, October 6, 1950—*Continued*

Institution	Number Enrolled in Work for the Master's Degree				No. of Master's Degrees Conferred in Eng'g 1949–50		Number Enrolled in Work for Other Post-Graduate Pre-Doctoral Degrees[1]				No. of Post-Grad. Degrees Conferred in Eng'g 1949–50		Number Enrolled in Work for the Doctor's Degree				No. of Doctor's Degrees Conferred in Eng'g 1949–50	
	Day Students Full Time and Part Time	Evening and Special Students	Total				Day Students Full Time and Part Time	Evening and Special Students	Total				Day Students Full Time and Part Time	Evening and Special Students	Total			
			Men	Wo.	Men	Wo.			Men	Wo.	Men	Wo.			Men	Wo.	Men	Wo.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(17)	(19)
Georgia Tech	149	—	149	—	89	—	—	—	—	—	—	—	27	—	27	—	1	—
Georgia																		
Univ. Idaho	11	—	11	—	11	—	—	—	—	—	—	—	—	—	—	—	—	—
Idaho																		
Illinois Inst. Tech	190	435	623	2	82	—	—	—	—	—	—	—	47	—	46	1	6	—
Northwestern	75	37	112	—	40	—	—	—	—	—	—	—	41	2	43	—	11	—
Univ. Illinois	300	—	300	—	205	—	—	—	—	—	—	—	216	—	216	—	21	—
Illinois																		
Notre Dame	44	—	44	—	21	—	—	—	—	—	—	—	10	—	10	—	1	—
Purdue	286	24	310	—	187	—	—	8	8	—	3	—	139	—	139	—	23	—
Rose Poly	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Indiana																		
Iowa State Col.	96	—	96	—	50	—	—	—	—	—	—	—	55	—	55	—	12	—
State Univ. Iowa	72	—	71	1	48	—	—	—	—	—	—	—	28	—	28	—	10	—
Iowa																		
Kansas State Col.	53	—	53	—	28	—	5	—	5	—	—	—	—	—	—	—	—	—
Univ. Wichita	4	—	4	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—
Univ. Kansas	44	—	44	—	16	—	—	—	—	—	—	—	12	—	12	—	—	—
Kansas																		
Univ. Kentucky	44	—	44	—	14	—	—	—	—	—	—	—	—	—	—	—	—	—
Univ. Louisville	26	—	26	—	24	—	—	—	—	—	—	—	—	—	—	—	—	—
Kentucky																		
La. State Univ.	60	—	60	—	37	—	—	—	—	—	—	—	5	—	5	—	3	—
Tulane Univ.	13	—	13	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Louisiana																		
Univ. Maine	24	5	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maine																		
Johns Hopkins	101	53	152	2	62	—	—	—	—	—	—	—	58	4	62	—	11	—
Univ. Maryland	248	150	397	1	25	—	—	—	—	—	—	—	15	9	24	—	1	—
Naval Post-Grad. Sch.	66	—	65	1	34	—	—	—	—	—	—	—	—	—	—	—	—	—
Maryland																		

Harvard	128	—	126	2	138	—	9	—	9	—	8	—	106	—	106	—	25	—
Mass. Inst. Tech.	588	106	692	2	390	—	146	—	146	—	42	—	275	—	275	—	74	—
Northeastern	—	326	323	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worcester Poly.	31	—	31	—	15	—	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts																		
Mich. M. & T.	17	—	17	—	9	—	—	—	—	—	15	—	—	—	—	—	—	—
Mich. State Col.	69	—	69	—	20	—	—	—	—	—	—	—	21	—	21	—	1	—
Univ. Michigan	349	2	351	—	275	—	—	—	—	—	2	—	143	—	143	—	22	—
Wayne Univ.	78	—	78	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—
Michigan																		
Univ. Minnesota	242	—	240	2	107	—	—	—	—	—	2	—	67	—	67	—	14	—
Minnesota																		
Miss. State Col.	5	—	5	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Univ. Miss.	9	—	9	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Mississippi																		
Mo. Mines	128	—	128	—	39	—	—	—	—	—	—	—	18	—	18	—	2	—
Univ. Missouri	44	—	44	—	20	—	—	—	—	—	—	—	4	—	4	—	—	—
Wash. Univ. St. L.	193	—	193	—	26	—	—	—	—	—	—	—	33	—	33	—	—	—
Missouri																		
Montana Mines	18	—	18	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—
Montana State Col.	19	—	19	—	13	—	—	—	—	—	—	—	—	—	—	—	—	—
Montana																		
Univ. Nebraska	29	—	28	1	4	—	2	1	3	—	2	—	—	—	—	—	—	—
Nebraska																		
Univ. Nevada	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nevada																		
Dartmouth	25	—	25	—	25	—	—	—	—	—	—	—	—	—	—	—	—	—
Univ. New Hampshire	4	—	4	—	8	—	1	—	1	—	—	—	—	—	—	—	—	—
New Hampshire																		
Newark	7	450	455	2	26	—	2	—	2	—	—	—	—	—	—	—	—	—
Princeton	58	—	58	—	33	—	—	—	—	—	—	—	36	—	36	—	4	—
Rutgers	119	—	119	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—
Stevens	26	889	906	9	137	—	—	—	—	—	—	—	—	—	—	—	—	—
New Jersey																		
Univ. New Mexico	25	32	57	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—
New Mexico																		
Alfred	12	—	12	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—
Brooklyn Poly	87	1,039	1,121	5	113	—	—	—	—	—	—	—	37	135	172	—	12	—
Clarkson	8	—	8	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—
City Col. of N. Y.	—	151	149	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Columbia	144	198	342	—	119	1	5	—	5	—	—	—	9	—	9	—	10	—
Cornell	84	9	91	2	59	—	—	—	—	—	—	—	67	—	67	—	12	—
N. Y. Univ.	42	671	706	7	182	3	—	—	—	—	—	—	—	145	145	—	6	—
Rensselaer	181	110	291	—	98	—	—	—	—	—	—	—	23	—	23	—	2	—

Total Graduate Engineering Enrollment, by School, October 6, 1950—*Continued*

Institution	Number Enrolled in Work for the Master's Degree				No. of Master's Degrees Conferred in Eng'g 1949–50		Number Enrolled in Work for Other Post-Graduate Pre-Doctoral Degrees[1]				No. of Post-Grad. Degrees Conferred in Eng'g 1949–50		Number Enrolled in Work for the Doctor's Degree				No. of Doctor's Degrees Conferred in Eng'g 1949–50	
	Day Students Full Time and Part Time	Evening and Special Students	Total				Day Students Full Time and Part Time	Evening and Special Students	Total				Day Students Full Time and Part Time	Evening and Special Students	Total			
			Men	Wo.	Men	Wo.			Men	Wo.	Men	Wo.			Men	Wo.	Men	Wo.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Syracuse	25	68	93	—	27	—	1	—	1	—	2	—	11	18	29	—	—	—
Union Col.	—	46	46	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—
Rochester	9	5	14	—	7	—	—	—	—	—	—	—	—	—	—	—	—	—
Webb	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New York																		
N. C. State Col.	94	—	93	1	46	—	—	—	—	—	—	—	12	—	11	1	—	—
North Carolina																		
Univ. N. Dakota	5	—	5	—	2	—	—	—	—	—	—	—	3	—	3	—	—	—
North Dakota																		
Case	75	398	468	5	80	2	—	—	—	—	—	—	36	35	70	1	7	—
Cincinnati	24	—	24	—	15	—	—	—	—	—	—	—	15	—	15	—	11	—
Ohio State Univ.	143	—	143	—	143	—	—	—	—	—	—	—	31	—	31	—	29	—
Toledo	—	10	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ohio																		
Okla. A. & M.	88	—	88	—	40	—	—	—	—	—	1	—	—	—	—	—	—	—
Tulsa	24	—	24	—	26	—	—	—	—	—	—	—	—	—	—	—	—	—
Univ. Oklahoma	63	—	63	—	41	2	3	—	3	—	—	—	—	—	—	—	—	—
Oklahoma																		
Oregon State Col.	42	—	42	—	26	—	—	—	—	—	—	—	8	—	7	1	—	—
Oregon																		
Bucknell	11	—	11	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—
Carnegie	40	92	131	1	64	—	—	—	—	—	1	—	57	—	57	—	10	—
Drexel	—	160	160	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lehigh	63	—	63	—	36	1	—	—	—	—	—	—	14	—	14	—	7	—
Penn State Col.	118	—	118	—	56	—	—	—	—	—	6	—	68	—	68	—	5	—
Pittsburgh	25	464	489	—	52	—	—	—	—	—	—	—	5	62	67	—	5	—
Univ. Pennsylvania	86	508	594	—	82	—	—	—	—	—	—	—	51	16	67	—	5	—
Pennsylvania																		
Brown	16	—	16	—	—	—	—	—	—	—	—	—	3	—	3	—	7	—
R.I. State Col.	14	—	14	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island																		

Clemson	9	—	9	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina																		
S. Dakota Mines	12	—	12	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Dakota State Col.	9	—	9	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota																		
Univ. Tennessee	193	—	193	—	16	—	—	—	—	—	—	—	14	—	14	—	—	—
Vanderbilt	1	—	1	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—
Tennessee																		
A. & M. Col. Texas	105	—	105	—	60	—	—	—	—	—	—	—	20	—	20	—	3	—
Rice	25	—	25	—	8	—	—	—	—	—	—	—	—	—	—	—	—	—
Southern Methodist	—	69	69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Texas Tech. Col.	18	—	17	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Univ. Texas	182	—	182	—	62	—	—	—	—	—	—	—	37	—	37	—	9	—
Texas																		
Utah Ag. Col.	13	—	13	—	13	—	—	—	—	—	—	—	3	—	3	—	—	—
Univ. Utah	32	—	32	—	25	—	—	—	—	—	—	—	21	—	21	—	4	—
Utah																		
Univ. Vermont	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Vermont																		
Va. Poly. Inst.	102	—	102	—	48	—	—	—	—	—	—	—	6	—	6	—	3	—
Univ. Virginia	8	245	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Virginia																		
Wash. State Col.	23	—	22	1	7	—	—	—	—	—	—	—	—	—	—	—	—	—
Univ. Washington	131	—	129	2	94	—	—	—	—	—	—	—	20	—	20	—	3	—
Washington																		
W. Virginia Univ.	41	—	41	—	16	—	—	—	—	—	—	—	8	—	8	—	2	—
West Virginia																		
Univ. Wisconsin	114	129	243	—	100	—	—	—	—	—	—	—	72	1	73	—	20	—
Wisconsin																		
Univ. Wyoming	17	—	17	—	7	—	—	—	—	—	—	—	—	—	—	—	—	—
Wyoming																		
Catholic Univ.	55	—	55	—	7	—	—	—	—	—	—	—	—	—	—	—	—	—
District of Columbia																		
Total ECPD Schools	7,872	7,414	15,227	59	4,705	10	278	11	289	—	150	—	2,342	453	2,790	5	492	—

[1] Other engineering degrees requiring work beyond the Master's degree, but less than the requirements for a Doctor's degree.

Section Meetings

Section	*Location of Meeting*	*Dates*	*Chairman of Section*
Allegheny	Carnegie Institute	April, 1951	D. F. Miner, Carnegie Institute
Illinois-Indiana	Northwestern University	May 19, 1951	W. C. Knopf, Northwestern University
Kansas-Nebraska	Kansas State College		Kenneth Rose, University of Kansas
Michigan	General Motors Institute	May 20, 1951	H. M. Dent, General Motors Institute
Middle Atlantic	Rutgers University	May 12, 1951	C. H. Willis, Princeton University
Missouri	University of Missouri	April 7, 1951	R. J. W. Koopman, Washington University
National Capital Area	George Washington University	Feb. 6, 1951	R. B. Allen, University of Maryland
	U. S. Naval Post Graduate School	May 12, 1951	
New England	Rhode Island State College	Oct. 13, 1951	W. C. White, Northeastern University
North Midwest	University of Minnesota		E. W. Johnson, University of Minnesota
Ohio	Ohio State University		W. F. Brown, University of Toledo
Pacific Northwest	University of Idaho	1951	A. S. Janssen, University of Idaho
Pacific Southwest	Stanford University		E. D. Howe, University of California
Rocky Mountain			J. E. Christiansen, Utah State Agricultural College
Southeastern	Buena Vista Hotel	March 22, 23, 24, 1951	E. B. Norris, Virginia Polytechnic Institute
Southwestern	Texas A. & M. College		R. L. Pourifoy, Texas A. & M. College
Upper New York	Clarkson College	Oct. 12–13, 1951	W. H. Allison, Clarkson College

Members of the Society are welcome at all Section Meetings

ORGANIZATION OF THE SOCIETY

The Society for the Promotion of Engineering Education was the outgrowth of the meetings of Division E of the World's Engineering Congress held in Chicago from July 21 to August 15, 1893, in connection with the World's Columbian Exposition.

In June, 1946, the name of the Society was changed to The American Society for Engineering Education.

The purpose of the Society is the advancement of education in all its functions which pertain to engineering and allied branches of science and technology, including the processes of teaching and learning, research, extension services, and public relations. The Society shall serve its members as a common agency of stimulation and guidance in: (*a*) the formulation of the general goals and responsibilities of engineering education for the service of individuals and the advancement of general welfare; (*b*) the adjustment of curricula and educational processes to changing conditions; (*c*) the development of effective teachers and administrators; (*d*) the improvement of instructional materials and methods, of personnel practices, and of administrative usages; (*e*) the enhancement of professional ideals and standards; (*f*) the fostering of research as a function collateral to teaching; (*g*) the coordination of institutional aims and programs, both among schools and colleges and in their joint relations with professional, educational, and public bodies; and (*h*) the cultivation of a fraternal spirit among teachers, administrators, investigators, practitioners, and industrialists.

The Society is an organization of individual and institutional members which operates in two coordinate areas of activity, corresponding to the respective interests of these groups. The interests of the individual members are coordinated under a General Council, and the activities of its institutional members through the Engineering College Administrative Council and the Engineering College Research Council. The Executive Board is the administrative body responsible for coordinating the activities of the entire Society.

The ASEE has twenty-one Divisions and a number of Committees which represent various professional branches of science, engineering, and related fields. The Divisions and Committees arrange the technical program of the annual meeting and are responsible for much of the technical work of the Society. A number of studies of far-reaching importance to engineering colleges and the educational profession have been conducted through Division and Committee activities.

There are sixteen geographical Sections which hold regional meetings. The programs of these meetings are devoted to various timely subjects dealing with engineering education, research, administration, and professional aspects of engineering.

Local branches of the Society have been formed in a number of engineering colleges in order to further the objectives of engineering education within the colleges.

The Engineering College Administrative Council serves to foster cooperation among engineering colleges and to relate the colleges to the public welfare in the interests of the engineering profession, industry, and the public at large. It serves as an instrument of inquiry into problems which contribute to the effective administration of engineering colleges. It cooperates with agencies of the government, engineering societies, and other organizations to further the interests of engineering education.

The Engineering College Research Council assists in developing research facilities in engineering colleges and serves as an organization to promote and coordinate scientific and industrial research. The Council cooperates with governmental agencies and industrial organizations in the formulation of research programs. Through these activities the Council contributes to the improvement of advanced study in engineering colleges.

The Journal of Engineering Education, published monthly during the academic year, is the formal publication of the ASEE. It contains papers, reports and discussions pertinent to the profession. This Journal is distributed free to the members. A bound volume of the Journal constitutes the annual Proceedings of the Society.

APPLICATION FOR MEMBERSHIP

Date .....

I desire to become a member of the American Society for Engineering Education and hereby agree to conform to the requirements of membership, if elected, and submit the following statement of qualifications:

Name .....
Print last name — First — Middle

Mailing address .....

City and State .....

Full title of professional position .....
Title — Department

Institution .....

Degrees and names of institutions granting .....

Sponsors .....

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To be signed by two sponsors, members of A.S.E.E., and returned to
A. B. Bronwell, Secretary, A.S.E.E., Northwestern University,
Evanston, Ill.

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The General Council includes the Officers of the Society and the Junior Past Presidents listed on the preceding page, in addition to the following representatives of Divisions and Sections.

DIVISIONS

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Graduate Studies—J. H. RUSHTON (1952), Illinois Institute of Technology, Chicago, Ill.

Humanistic-Social—J. E. THORNTON (1951), University of Michigan, Ann Arbor, Mich.

Industrial Eng.—EVERETT LAITALA (1952), University of Illinois, Urbana, Ill.

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National Capital—R. S. GLASGOW (1952), U. S. Naval Post-Graduate School, Annapolis, Md.

New England—E. R. MCKEE (1951), University of Vermont, Burlington, Vt.

North Midwest—L. O. STEWART (1952), Iowa State College, Ames, Iowa

Ohio—R. D. LANDON (1951), University of Akron, Akron, Ohio

Pacific Northwest—O. E. OSBURN (1950), Washington State College, Pullman, Wash.

Pacific Southwest—H. H. WHEATON (1951), Fresno State College, Fresno, Calif.

Rocky Mountain—M. P. CAPP (1952), University of Denver, Denver, Colo.

Southeastern—F. J. LEWIS (1951), Vanderbilt University, Nashville, Tenn.

Southwestern—W. H. CARSON (1952), University of Oklahoma, Norman, Okla.

Upper New York—G. K. PALSGROVE (1952), Rensselaer Polytechnic Institute, Troy, N. Y.

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Teaching Aids: C. W. Muhlenbruch, *Chairman,* Northwestern University, Evanston, Ill., H. R. Beatty, J. C. Gammell, R. J. Jeffries, H. K. Justice, W. J. King, G. D. Lobingier, S. G. Lutz, N. L. Reglein, V. A. Valey, K. F. Wendt, F. H. Pumphrey, F. M. Dawson, ex-officio.

Coordinating Committee on Relations with the Federal Government: T. Saville, *Chairman,* New York University, New York, N. Y., T. H. Evans, G. W. Gleeson, H. T. Heald, D. B. Prentice, A. F. Spilhaus, G. Lobinger, W. R. Woolrich, F. M. Dawson, ex-officio.

Sections and Branches: H. H. Armsby, *Chairman,* U. S. Office of Education, Washington, D. C., M. T. Ayers, M. P. Capp, W. H. Carson, David S. Clark, W. L. DeBaufre, M. E. Farris, R. S. Glasgow, W. A. Koehler, R. D. Landon, E. R. McKee, L. G. Miller, G. K. Palsgrove, L. O. Stewart, H. H. Wheaton, R. Z. Williams.

Young Engineering Teachers (Interim Committee): D. L. Trautman, *Chairman,* University of California, Los Angeles, Calif., D. Bergh, S. A. Duran, L. W. Gleekman, V. B. Hammer, T. J. McClellan, F. L. Schwartz, G. C. Szego, G. C. Wilson.

Representatives of the Society on Various Committees, Boards, and Commissions:

American Association for the Advancement of Science: Council representatives: W. R. Woolrich (1951), J. R. Van Pelt (1951), T. Saville (1951).

American Council on Education: A. B. Bronwell (1953), H. T. Heald (1952), S. S. Steinberg (1951).

American Standards Association:

Z10—Symbols and Abbreviations: W. A. Lewis, *Chairman,* T. C. Hanson, P. J. Kiefer, W. B. Plank, M. C. Stuart, C. C. Whipple.

Z14—Drawings and Drafting Room Practice: H. C. Spencer, *Chairman,* F. G. Higbee, R. P. Hoelscher, W. J. Luzadder, R. S. Paffenbarger, C. L. Svensen, C. J. Vierck.

Z15—Graphic Presentation: R. S. Paffenbarger, *Chairman,* D. P. Adams, A. S. Levens, R. O. Loving.

Z32—Graphical Symbols and Drawings: I. L. Hill, *Chairman,* J. G. McGuire, R. T. Northrup.

A62—Coordination of Dimensions of Building Materials and Equipment: R. A. Caughey.

C61—Electric and Magnetic Magnitudes and Units: Harold Pender, C. V. O. Terwilliger, C. F. Rehberg.

Charles A. Coffin Fellowships and Research Committee: F. M. Dawson.

Educational Testing Service, Advisory Council: H. R. Beatty, O. W. Eshbach, F. M. Dawson, ex-officio.

Engineers' Council for Professional Development: W. R. Woolrich (Oct. 1952), H. T. Heald (Oct. 1951).

Engineers Joint Council:

Committee on Unity in the Engineering Profession: T. Saville.

General Survey Committee: M. M. Boring.

Committee on Survey of Technical Manpower Needs: H. H. Armsby, F. M. Dawson, T. Saville. S. C. Hollister (alternate).

Enrollment Statistics (Joint Committee with U. S. Office of Education: H. P. Hammond, *Chairman,* A. B. Bronwell, G. D. Lobinger.

National Bureau of Engineering Registration (Advisory Board): N. W. Dougherty.

National Research Council: F. M. Dawson, G. A. Rosselot.

DIVISIONS, 1950–51

Aeronautical: W. C. Nelson, *Chairman,* University of Michigan; A. E. Cronk, *Vice Chairman;* C. N. Sanford, *Secretary;* H. W. Barlow, *Member of Council,* 1951.

Agricultural: H. J. Barre, *Chairman,* Purdue University; A. W. Farrall, *Vice Chairman;* O. C. French, *Secretary.*

Architectural: L. R. Blakeslee, *Chairman,* University of Detroit; W. W. Dornberger, *Vice Chairman;* P. E. Soneson, *Secretary;* Stanley A. Smith, *Member of Council,* 1952.

Chemical: J. S. Walton, *Chairman,* Oregon State College; N. H. Ceaglske and G. C. Williams, *Vice Chairmen;* R. L. Savage, *Secretary;* R. A. Ragatz, *Member of Council,* 1951.

Civil Engineering: Harry Rubey, *Chairman,* University of Missouri; E. H. Gaylord, *Vice Chairman;* F. W. Stubbs, *Secretary;* H. W. Wood, *Editor, CE Bulletin; Directors:* W. L. Moore, F. W. Stubbs, A. A. Jakkula, W. Raeder; W. M. Lansford, *Member of Council,* 1952.

Cooperative Engineering Education: D. C. Hunt, *Chairman,* University of Detroit; H. R. Bintzer, *Vice Chairman;* A. O. Taylor, *Secretary;* M. B. Robinson, *Member of Council,* 1951.

Educational Methods: F. H. Pumphrey, *Chairman,* University of Florida; H. R. Beatty, *Vice Chairman;* G. S. Speer, *Secretary;* E. A. Walker, *Member of Council,* 1952.

Electrical: T. H. Morgan, *Chairman,* Worcester Polytechnic Institute; F. O. McMillan, *Vice Chairman;* H. E. Hartig, *Secretary;* G. B. Hoadley, *Member of Council,* 1951.

Engineering Drawing: R. S. Paffenbarger, *Chairman,* Ohio State University; C. H. Springer, *Secretary; Executive Committee:* J. G. McGuire, J. S. Rising, W. E. Street, C. E. Rowe, H. E. Grant, R. S. Paffenbarger; T. T. Aakhus, *Editor;* J. Gerardi, *Editor, T-Square Page;* C. J. Vierck, *Advertising Manager;* W. J. Luzadder, *Circulation Manager;* H. C. Spencer, *Member of Council,* 1952.

English: J. H. Pitman, *Chairman,* Newark College of Engineering; G. J. Christensen, *Vice Chairman and Secretary;* R. L. Shurter, *Member of Council,* 1951.

Evening Engineering Education: S. E. Winston, *Chairman,* Illinois Institute of Technology; L. W. Krogh, *Vice Chairman;* H. Torgersen, *Secretary;* H. R. Beatty, *Member of Council,* 1951.

Graduate Studies: J. H. Rushton, *Chairman,* Illinois Institute of Technology; A. Colburn, *Vice Chairman;* C. O. Harris, *Secretary; Directors:* H. L. Solberg, G. B. Hoadley, N. J. Hoff, D. F. Peterson, H. E. Wessman; J. H. Rushton, *Member of Council,* 1952.

Humanistic-Social Studies: S. W. Chapman, *Chairman,* University of Washington; C. W. Condit, *Secretary; Executive Board:* H. R. Bartlett, P. E. Mohn, J. W. Shirley, Hallett Smith, B. R. Teare, F. L. Wilkinson; J. E. Thornton, *Member of Council,* 1951.

Industrial Engineering: H. R. Beatty, *Chairman,* Pratt Institute; J. A. Apple, *Vice Chairman;* W. G. Ireson, *Secretary;* E. Laitala, *Member of Council,* 1952.

Mathematics: W. C. Krathwohl, *Chairman,* Illinois Institute of Technology; J. H. Zant, *Secretary; Directors:* F. H. Miller, C. R. Wylie, Jr., D. F. Gunder; H. K. Justice, *Member of Council,* 1951.

Mechanical Engineering: L. C. Price, *Chairman,* Michigan State College; H. Kuenzel, *Vice Chairman;* E. L. Midgette, *Secretary;* H. A. Bolz, *Member of Council,* 1952.

Mechanics: R. G. Sturm, *Chairman,* Purdue University; *Executive Board:* S. Ward, G. W. Smith, W. M. Lansford, R. G. Sturm, G. Murphy, A. L. Miller, J. Marin, G. H. MacCullough; E. C. Clark, *Member of Council,* 1951.

Mineral Engineering: H. H. Power, *Chairman,* University of Texas; A. Butts, *Vice Chairman;* W. J. Rundle, *Secretary;* T. L. Joseph, *Member of Council,* 1952.

Physics: E. Hutchisson, *Chairman,* Case Institute of Technology; F. G. Slack, *Vice*

Chairman; G. P. Brewington, *Secretary; Executive Board:* J. G. Potter, H. L. Dodge, M. W. White; C. E. Bennett, *Member of Council,* 1951.

Relations with Industry: B. R. Teare, *Chairman,* Carnegie Institute of Technology; M. J. Bergen, *Vice Chairman;* E. N. Baldwin, *Secretary-Treasurer; Executive Committee Directors: For three years:* E. M. Baldwin, J. F. Downie Smith, D. S. Bridgman; *for two years:* E. C. Koerper, M. J. Bergen, B. R. Teare, Jr.; *for one year:* J. C. McKeon, Jr., C. J. Freund, K. B. McEachron, Jr.; J. C. McKeon, Jr., *Member of Council,* 1951.

Technical Institute: H. P. Adams, *Chairman,* Oklahoma A. & M. College; K. O. Werwath, *Vice Chairman;* H. P. Rodes, *Secretary;* K. L. Holderman, *Member of Council,* 1951.

SECTIONS, 1950–51

Allegheny: D. F. Miner, *Chairman,* Carnegie Institute of Technology; E. B. Stavely, *Vice Chairman;* J. W. Graham, Jr., *Secretary;* W. A. Koehler, *Member of Council,* 1951.

Illinois-Indiana: W. C. Knopf, *Chairman,* Northwestern University; D. G. Ryan, *Vice Chairman;* C. E. Watson, *Secretary; Executive Committee:* D. S. Clark, R. M. Ross, H. P. Hall, R. N. Shreve, C. C. Stevason, E. Danner, B. A. Fisher; D. S. Clark, *Member of Council,* 1952.

Kansas-Nebraska: Kenneth Rose, *Chairman,* University of Kansas; Jas. Ludwickson, *Vice Chairman;* Joe Nate Wood, *Secretary-Treasurer;* W. L. DeBaufre, *Member of Council,* 1951.

Michigan: H. M. Dent, *Chairman,* General Motors Institute; W. P. Godfrey, *Vice Chairman;* F. L. Schwartz, *Secretary-Treasurer;* L. G. Miller, *Member of Council,* 1952.

Middle Atlantic: S. J. Tracy, Jr., *Chairman,* College of the City of New York; F. G. Tatnall, *Vice Chairman;* E. C. Lawson, *Secretary-Treasurer;* M. T. Ayers, *Member of Council,* 1951.

Missouri: R. J. W. Koopman, *Chairman,* Washington University; I. H. Lovett, *Vice Chairman;* J. R. Lorah, *Secretary;* R. Z. Williams, *Member of Council,* 1951.

National Capital Area: R. B. Allen, *Chairman,* University of Maryland; W. Oncken, *Vice Chairman;* L. K. Downing, *Secretary-Treasurer;* R. S. Glasgow, *Member of Council,* 1952.

New England: W. C. White, *Chairman,* Northeastern University; E. F. Littleton, *Secretary;* E. R. McKee, *Member of Council,* 1951.

North Midwest: E. W. Johnson, *Chairman,* University of Minnesota; K. F. Wendt, *Vice Chairman;* A. O. Lee, *Secretary; Executive Board:* L. A. Ware, S. J. Chamberlain, R. J. Panlener, George Swenson, A. W. Anderson; L. O. Stewart, *Member of Council,* 1952.

Ohio: W. F. Brown, *Chairman,* University of Toledo; S. M. Marco and P. L. Rea, *Vice Chairmen;* L. D. Jones, *Secretary;* R. D. Landon, *Member of Council,* 1951.

Pacific Northwest: A. S. Janssen, *Chairman,* University of Idaho; C. O. Reiser, *Vice Chairman;* Paul Mann, *Secretary;* O. E. Osburn, *Member of Council,* 1950.

Pacific Southwest: E. D. Howe, *Chairman,* University of California, Berkeley; S. F. Duncan, *Vice Chairman;* R. G. Moses, *Secretary-Treasurer; Executive Committee:* H. B. Blodgett, C. T. Reid, R. J. Smith; H. H. Wheaton, *Member of Council,* 1951.

Rocky Mountain: J. E. Christiansen, *Chairman,* Utah State College; E. J. Lundahl, *Vice Chairman;* F. Preator, *Secretary;* M. P. Capp, *Member of Council,* 1952.

Southeastern: E. B. Norris, *Chairman,* Virginia Polytechnic Institute; R. L. Sumwalt, *Vice Chairman;* B. M. Bayer, *Secretary-Treasurer;* F. J. Lewis, *Member of Council,* 1951.

Southwestern: R. L. Peurifoy, *Chairman,* Texas A. & M. College; H. P. Adams, *Vice Chairman;* M. R. Lohmann, *Secretary-Treasurer; Executive Board:* L. B. Ryon, R. M. Wingren, C. E. Rowe, H. W. Crate, R. L. Langenheim, C. T. Grace; W. H. Carson, *Member of Council,* 1952.

Upper New York: W. H. Allison, *Chairman,* Clarkson College; R. M. Campbell, *Vice Chairman;* A. D. Taylor, *Secretary-Treasurer;* G. K. Palsgrove, *Member of Council,* 1952.

BRANCHES, 1950–51

Alabama: (University): W. G. Keith, *Chairman,* E. C. Wright, *Vice Chairman,* L. A. Woodman, *Secretary-Treasurer.*

Arizona: H. H. Aiken, *Chairman,* Stanford University; H. E. Stewart, *Vice Chairman,* A. W. Ross, *Secretary,* J. K. Mueller, *Treasurer.*

Bucknell: A. H. Cooper, *Chairman,* B. H. Bueffel, *Secretary.*

Case: R. C. Putnam, *Chairman,* W. R. Meredith, *Vice Chairman,* D. M. Rein, *Secretary-Treasurer.*

Colorado A. & M. College: H. W. Collins, *Chairman,* C. C. Britton, *Vice Chairman,* J. S. Chasteen, *Secretary-Treasurer.*

Colorado (University): W. F. Boore, Jr., *Chairman,* W. J. Hanna, *Secretary.*

Colorado School of Mines: F. R. Campbell, *Chairman,* H. H. Geissler, *Vice Chairman,* H. E. Fletcher, *Secretary-Treasurer.*

Detroit: Elihu Geer, *Chairman,* George Uicker, *Vice Chairman,* Guido Ferrara, *Secretary.*

Georgia Institute of Technology: ....., *Chairman,* P. B. Narmore, *Secretary.*

Florida: H. E. Schwoyer, *Chairman,* T. O. Neff, *Vice Chairman,* F. M. Flanigan, *Secretary.*

Lafayette: W. G. McLean, *Chairman,* K. D. Larsen, *Vice Chairman,* F. W. Smith, *Secretary.*

Maine: R. C. Hill, *Chairman,* S. J. Ryckman, *Vice Chairman,* E. F. Thode, *Secretary.*

Michigan College of M. & T.: W. A. Longacre, *Chairman,* H. B. Anderson, *Vice Chairman,* P. V. Anderson, *Secretary.*

Michigan State College: C. C. Sigerfoos, *Chairman,* A. J. Smith, *Vice Chairman,* L. A. Smith, *Secretary,* N. R. Sedlander, *Treasurer.*

Minnesota: R. R. Herrmann, *Chairman,* A. Hustrulid, *Program Committee Chairman,* M. Kersten, *Secretary,* F. B. Rowley, *Treasurer.*

Newark College of Engineering: F. N. Entwisle, *Chairman,* H. N. Cummings, *Secretary.*

North Carolina State College: W. D. Stevenson, Jr., *Chairman,* F. W. Lancaster, *Vice Chairman,* H. V. Park, *Recording Secretary,* A. M. Fountain, *Corresponding Secretary.*

Northeastern: J. C. Morgan, *Chairman,* J. J. Devine, *Secretary.*

Pennsylvania State College: J. W. Breneman, *Chairman,* E. E. Ambrosius, *Vice Chairman,* H. I. Tarpley, *Secretary.*

University of Tennessee: L. R. Shobe, *Chairman,* S. H. Jury, *Secretary-Treasurer.*

Texas A. & M. College: J. D. Lindsay, *Chairman.*

Tufts College: E. F. Littleton, *Chairman,* D. A. Fisher, *Secretary.*

Worcester Polytechnic Institute: E. D. Wilson, *Chairman,* F. J. Adams, *Vice Chairman,* V. Siegfried, *Secretary.*

State College of Washington: R. F. Knox, *Chairman,* S. A. Duran, *Vice Chairman,* C. Q. Ford, *Secretary-Treasurer.*

University of Washington: R. Q. Brown, *Chairman,* E. D. Engel, *Vice Chairman,* L. B. Cooper, *Secretary.*

AWARDS

LAMME MEDAL

The Lamme Award consists of a gold medal and bronze replica bestowed annually upon a distinguished engineering educator for excellence in teaching and contributions to the art of teaching; contributions to research and technical literature; achievements which contribute to the advancement of the profession; and engineering administration. The Lamme trust fund was established in memory of Benjamin Garver Lamme.

RECIPIENTS OF LAMME MEDAL

1928—George Fillmore Swain, Professor of Civil Engineering, Harvard University.
1929—Irving Porter Church, Emeritus Professor of Applied Mechanics and Hydraulics, Cornell University.
1930—Charles Felton Scott, Professor of Electrical Engineering, Yale University.
1931—Dugald Caleb Jackson, Professor of Electric Power Production and Distribution, in charge, Dept., Electrical Engineering, Massachusetts Institute of Technology.
1932—Arthur Newell Talbot, Professor of Municipal and Sanitary Engineering, Emeritus, University of Illinois.
1933—Dexter Simpson Kimball, Professor of Industrial Engineering, Dean, College of Engineering, Cornell University.
1934—Edward Rose Maurer, Professor of Mechanics, University of Wisconsin.
1935—William Elgin Wickenden, President, Case School of Applied Science.
1936—Herman Schneider, Dean, University of Cincinnati.
1937—Frederick Eugene Turneaure, Dean, University of Wisconsin.
1938—Robert Lemuel Sackett, Dean, Pennsylvania State College.
1939—Stephen P. Timoshenko, Professor of Theoretical and Applied Mechanics, Stanford University.
1940—Andrey A. Potter, Dean, Schools of Engineering, Purdue University.
1941—Anson Marston, Dean of Engineering, Emeritus, Iowa State College.
1942—Roy Andrew Seaton, Dean, Division of Engineering, Kansas State College; Director, E. S. M. W. T., U. S. Office of Education.
1943—Thomas Ewing French, Professor of Engineering Drawing, Emeritus, The Ohio State University.
1944—Hardy Cross, Professor and Chairman, Dept. of Civil Engineering, Yale University.
1945—Harry Parker Hammond, Dean, School of Engineering, The Pennsylvania State College.
1946—Robert E. Doherty, President, Carnegie Institute of Technology.
1947—Warren K. Lewis, Professor of Chemical Engineering, Massachusetts Institute of Technology.
1948—Alexander G. Christie, Professor of Mechanical Engineering, Johns Hopkins University.
1949—Karl Taylor Compton, President Emeritus, Chairman of Corporation, Massachusetts Institute of Technology.
1950—Fred B. Seely, Professor of Theoretical and Applied Mechanics, University of Illinois.

THE GEORGE WESTINGHOUSE AWARD

The George Westinghouse Award was established by the Westinghouse Educational Foundation in 1946 as an annual Award to young engineering teachers of outstanding ability to recognize and encourage their contributions to the improvement of teaching methods for engineering students.

RECIPIENTS OF THE GEORGE WESTINGHOUSE AWARD

1946—James Norman Goodier, Professor of Mechanics, Cornell University.
1947—Benjamin R. Teare, Jr., Buhl Professor and Head, Dept. of Electrical Engineering, Carnegie Institute of Technology.
1948—Hunter Rouse, Professor and Director, Institute of Hydraulic Research, State University of Iowa.
1949—Joseph Marin, Professor of Engineering Mechanics, Pennsylvania State College.
1950—Rolf Eliassen, Professor of Sanitary Engineering, Massachusetts Institute of Technology.

JAMES H. McGRAW AWARD

The James H. McGraw Award in Technical Institute Education is awarded annually for the purpose of recognizing and encouraging outstanding contributions to technical institute education. The Award consists of the sum of $500.00 and an engraved certificate provided by the McGraw-Hill Book Company in memory of James H. McGraw, Sr. Nominees are expected to have displayed unusual competence in one or more of the following activities related to technical institute education: instruction, publication, administration, and other appropriate contributions.

1950—Harry P. Hammond, Dean of Engineering, Pennsylvania State College.

INSTITUTIONAL MEMBERS

ACTIVE MEMBERS *†

UNIVERSITY OF AKRON, Akron, Ohio, H. E. Simmons, *President*, R. D. Landon, *Dean* .. 1914

Alabama Polytechnic Institute, Auburn, Ala., Ralph B. Draughton, *President*, J. E. Hannum, *Dean*, F. Allison, *Director, Auburn Research Foundation* 1914

University of Alabama, University, Ala., John M. Gallalee, *President*, J. R. Cudworth, *Dean*, H. Majors, Jr., *Director of Research* 1923

UNIVERSITY OF ALASKA, College, Alaska, Terris Moore, *President*, E. H. Beistline, *Dean* 1941

University of Arizona, Tucson, Ariz., James B. McCormick, *President*, G. M. Butler, *Dean*, T. G. Chapman, *Dean, College of Mines* 1914

University of Arkansas, Fayetteville, Ark., Lewis W. Jones, *President*, George F. Branigan, *Dean and Director, Engineering Experiment Station*, W. W. Grigorieff, *Director, Institute of Science and Technology* 1921

Polytechnic Institute of Brooklyn, Brooklyn, N. Y., H. S. Rogers, *President*, Erich Hausmann, *Dean*, H. P. Wile, *Administrator of Research* 1921

BROWN UNIVERSITY, Providence, R. I., Henry M. Wriston, *President*, John H. Marchant, *Chairman* 1914

Bucknell University, Lewisburg, Pa., Horace A. Hildreth, *President*, G. A. Irland *Chairman of Engineering Group*, A. H. Cooper, *Chairman, Faculty Research Council* 1925

California Institute of Technology, Pasadena, Calif., Lee A. DuBridge, *President*, F. C. Lindvahl, *Chairman of Engineering Division* 1913

University of California, Berkeley, Calif., Robert G. Sproul, *President*, Morrough P. O'Brien, *Dean*, H. A. Schade, *Director of Research* 1937

University of California, Los Angeles, Calif., Robert G. Sproul, *President*, L. M. K. Boelter, *Dean* 1948

Carnegie Institute of Technology, Pittsburgh, Pa., J. C. Warner, *President*, W. N. Jones, *Dean*, B. R. Teare, *Director of Research* 1915

Case Institute of Technology, Cleveland, Ohio, T. Keith Glennan, *President (on leave)*, Elmer Hutchisson, *Dean and Acting President*, C. W. Williams, *Director of Research* 1913

Catholic University of America, Washington, D. C., Patrick J. McCormick, *Rector*, A. J. Scullen, *Dean*, F. A. Biberstein, *Director of Research* 1917

UNIVERSITY OF CINCINNATI, Cincinnati, Ohio, Raymond Walters, *President*, C. A. Joerger, *Dean*, F. O'Flaherty, *Director of Research* 1917

THE CITADEL, THE MILITARY COLLEGE OF SOUTH CAROLINA, Charleston, S. C., C. P. Summerall, *President*, L. S. LeTellier, *Head, Dept. of Engineering* 1914

CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N. Y., J. H. Davis, *President*, W. J. Farrisee, *Dean*, T. S. Renzema, *Director of Research* 1938

Clemson Agricultural College, Clemson, S. C., Robert F. Poole, *President*, J. H. Sams, *Dean* 1913

COLORADO SCHOOL OF MINES, Golden, Colo., John W. Vanderwilt, *President*, M. I. Signer, *Dean*, V. L. Mattson, *Director of Research* 1929

Colorado Agricultural and Mechanical College, Fort Collins, Colo., W. E. Morgan, *Acting President*, T. H. Evans, *Dean*, H. Henney, *Director of Research* 1923

* Active members shall be institutions which are eligible to participate in either or both the institutional membership Councils—the Engineering College Administrative Council or the Engineering College Research. Institutions appearing in bold face are members of both Councils. All others are members of E. C. A. C. only.

† In cases where a Director of Research is not listed, the Dean of the institution is the representative to the E. C. R. C.

University of Colorado, Boulder, Colo., Robert L. Stearns, *President*, C. L. Eckel, *Dean and Director, Engineering Experiment Station* 1915

COLUMBIA UNIVERSITY, New York City, Dwight D. Eisenhower, *President*, John R. Dunning, *Dean* 1923

University of Connecticut, Storrs, Conn., A. N. Jorgensen, *President*, F. L. Castleman, Jr., *Dean* 1941

THE COOPER UNION, New York City, Edwin S. Burdell, *Director*, Norman L. Towle, *Dean* 1927

Cornell University, Ithaca, N. Y., C. W. de Kiewiet, *Acting President*, S. C. Hollister, *Dean*, C. W. de Kiewiet, *Vice President for Research* 1913

Dartmouth College, Thayer School of Engineering, Hanover, N. H., John S. Dickey, *President*, W. P. Kimball, *Dean*, M. G. Morgan, *Director of Research* 1940

University of Delaware, Newark, Del., J. A. Perkins, *President*, David L. Arm, *Dean*, A. P. Colburn, *Chairman, Engineering Experiment Station* 1916

University of Denver, Denver, Colo., Albert C. Jacobs, *Chancellor*, C. M. Knudson, *Dean*, G. O. G. Lof, *Director of Research* 1941

University of Detroit, Detroit, Mich., Rev. C. J. Steiner, *President*, C. J. Freund, *Dean*, C. Duncombe, *Director of Research* 1924

DREXEL INSTITUTE OF TECHNOLOGY, Philadelphia, Pa., James Creese, *President*, R. C. Disque, *Dean* 1914

DUKE UNIVERSITY, Durham, N. C., A. Hollis Edens, *President*, W. H. Hall, *Dean*, P. M. Gross, *Director of Research* 1932

ECOLE POLYTECHNIQUE, Montreal, Quebec, Canada, Augustin Frigon, *President*, Ignace Brouillet, *Dean*, L. Bourgoin, *Director of Research* 1917

FENN COLLEGE, Cleveland, Ohio, Edward Hodnett, *President* 1940

University of Florida, Gainesville, Fla., J. Hillis Miller, *President*, Joseph Weil, *Dean*, R. A. Morgen, *Director, Engineering Experiment Station* 1928

GEORGE WASHINGTON UNIVERSITY, Washington, D. C., Cloyd Heck Marvin, *President*, F. M. Feiker, *Dean*, B. D. Vanevra, *Co-ordinator of Scientific Activities* 1913

Georgia Institute of Technology, Atlanta, Ga., B. R. Van Leer, *President*, J. W. Mason, *Dean*, G. A. Rosselot, *Director, State Engineering Experiment Station* 1913

The Graduate School of Engineering, Harvard University, Cambridge, Mass., James Bryant Conant, *President*, G. M. Fair, *Dean* 1919

UNIVERSITY OF IDAHO, Moscow, Idaho, J. E. Buchanan, *President*, A. S. Janssen, *Dean and Director, Engineering Experiment Station* 1924

Illinois Institute of Technology, Chicago, Ill., Henry T. Heald, *President*, J. T. Rettaliata, *Dean*, H. A. Leedy, *Director, Armour Research Foundation* 1921

University of Illinois, Urbana, Ill., George D. Stoddard, *President*, W. L. Everitt, *Dean* 1914

Iowa State College, Ames, Iowa, Charles E. Friley, *President*, J. F. Downie Smith, *Dean* 1913

State University of Iowa, Iowa City, Iowa, Virgil M. Hancher, *President*, F. M. Dawson, *Dean* 1914

JOHNS HOPKINS UNIVERSITY, Baltimore, Md., DetLev W. Bronk, *President*, W. B. Kouwenhoven, *Dean* 1921

Kansas State College of Agriculture and Applied Science, Manhattan, Kans., J. A. McCain, *President*, M. A. Durland, *Dean* 1917

The University of Kansas, Lawrence, Kans., Deane W. Malott, *Chancellor*, T. DeWitt Carr, *Dean*, J. O. Maloney, *Director, Research Foundation* 1914

University of Kentucky, Lexington, Ky., H. L. Donovan, *President*, D. V. Terrell, *Dean* 1922

LAFAYETTE COLLEGE, Easton, Pa., Ralph C. Hutchison, *President*, R. G. Crosen, *Dean* .. 1915

Lehigh University, Bethlehem, Pa., Martin D. Whitaker, *President*, H. A. Neville, *Executive Secretary of Executive Committee*, College of Engineering 1914

LOUISIANA POLYTECHNIC INSTITUTE, Ruston, La., R. L. Ropp, *President*, Roy T. Sessums, *Dean* 1949

Louisiana State University, University, La., Harold W. Stoke, *President*, L. J. Lassalle, *Dean*, L. H. Bartlett, *Director, Engineering Experiment Station* 1934

University of Louisville, Louisville, Ky., John W. Taylor, *President,* R. C. Ernst, *Dean, Speed Scientific School* 1925
University of Maine, Orono, Me., Arthur A. Hauck, *President,* A. S. Campbell, *Dean,* J. B. Calkin, *Director of Research* 1917
MANHATTAN COLLEGE, New York City, Rev. Bro. Bonaventure Thomas, *President,* Rev. Bro. A. Leo, *Dean,* D. J. O'Connell, *Director of Research* 1933
MARQUETTE UNIVERSITY, Milwaukee, Wis., Rev. Edward J. O'Donnell, *President,* William D. Bliss, *Dean* 1919
University of Maryland, College Park, Md., H. C. Byrd, *President,* S. S. Steinberg, *Dean,* W. J. Huff, *Director, Engineering Experiment Station* 1923
Massachusetts Institute of Technology, Cambridge, Mass., James R. Killian, Jr., *President,* T. K. Sherwood, *Dean* 1918
UNIVERSITY OF MASSACHUSETTS, Amherst, Mass., R. A. Van Meter, *President,* G. A. Marston, *Dean* 1950
MCGILL UNIVERSITY, Montreal, Quebec, Canada, F. Cyril James, *Prinipal,* J. J. O'Neil, *Dean,* D. L. Thomson, *Dean of Research* 1924
Michigan College of Mining and Technology, Houghton, Mich., Grover C. Dillman, *President,* F. L. Partio, *Dean* 1914
Michigan State College, East Lansing, Mich., John A. Hannah, *President,* Lorin G. Miller, *Dean,* C. C. Dewitt, *Director of Research* 1933
University of Michigan, Ann Arbor, Mich., Alex G. Ruthven, *President,* Ivan C. Crawford, *Dean,* A. E. White, *Director, Engineering Research Institute* 1913
University of Minnesota, Minneapolis, Minn., James L. Morrill, *President,* A. F. Spilhaus, *Dean* 1919
MISSISSIPPI STATE COLLEGE, State College, Miss., Fred T. Mitchell, *President,* Harold Flinsch, *Dean* 1939
University of Missouri, Columbia, Mo., F. A. Middlebush, *President,* H. O. Croft, *Dean* 1914
Missouri School of Mines and Metallurgy, Rolla, Mo., F. A. Middlebush, *President,* Curtis L. Wilson, *Dean* 1925
Montana School of Mines, Butte, Mont., A. E. Adami, *Acting President and Dean* .. 1938
Montana State College, Bozeman, Mont., R. R. Renne, *President,* E. W. Schilling, *Dean* 1923
University of Nebraska, Lincoln, Nebr., R. G. Gustavson, *Chancellor,* R. M. Green, *Dean* 1914
UNIVERSITY OF NEVADA, Reno, Nev., M. A. Love, *President,* S. G. Palmer, *Dean* 1943
NEWARK COLLEGE OF ENGINEERING, Newark, N. J., R. W. van Houten, *President,* I. P. Orens, *Chairman Graduate Division,* W. Hazell, Jr., *Dean* 1922
University of New Hampshire, Durham, N. H., R. F. Chandler, Jr., *President,* L. E. Seeley, *Dean* 1923
NEW MEXICO COLLEGE OF A. & M. ARTS, State College, N. M., John W. Branson, *President,* M. A. Thomas, *Dean* 1917
University of New Mexico, Albuquerque, N. M., Tom L. Popejoy, *President,* M. E. Farris, *Dean* 1937
New York College of Ceramics at Alfred University, Alfred, N. Y., M. Ellis Drake, *Acting President,* J. F. McMahon, *Dean,* W. G. Lawrence, *Acting Director of Research* 1938
THE COLLEGE OF THE CITY OF NEW YORK, New York, N. Y., H. N. Wright, *President,* William Allan, *Dean* 1940
New York University, New York, N. Y., Harry W. Chase, *Chancellor,* Thorndike Saville, *Dean,* H. K. Work, *Director of Research* 1913
North Carolina State College of the University of North Carolina, Raleigh, N. C., J. W. Harrelson, *Chancellor,* J. H. Lampe, *Dean,* W. G. Van Note, *Director of Research* 1920
NORTH DAKOTA AGRICULTURAL COLLEGE, Fargo, N. D., Frederic S. Hultz, *President,* R. M. Dolve, *Dean* 1924
University of North Dakota, Grand Forks, N. D., John C. West, *President,* L. C. Harrington, *Dean,* A. M. Cooley, *Director of Research* 1913

Northeastern University, Boston, Mass., Carl S. Ell, *President,* W. T. Alexander, *Dean* 1921

Northwestern University, Evanston, Ill., J. Roscoe Miller, *President,* O. W. Eshbach, *Dean,* P. E. Klopsteg, *Director of Research* 1939

NORWICH UNIVERSITY, Northfield, Vt., E. N. Harmon, *President,* P. D. Baker, *Dean* .. 1938

University of Notre Dame, Notre Dame, Ind., John J. Cavanaugh, *President,* Karl E. Schoenherr, *Dean* 1914

Ohio State University, The, Columbus, O., H. L. Bevis, *President,* Charles E. MacQuigg, *Dean* 1921

State University of Oklahoma, Norman, Okla., George L. Cross, *President,* W. H. Carson, *Dean,* V. H. Schnee, *Director of Research* 1913

Oklahoma A. & M. College, Stillwater, Okla., Henry G. Bennett, *President,* E. R. Stapley, *Dean,* C. A. Dunn, *Director of Research* 1933

Oregon State College, Corvalis, Ore., A. L. Strand, *President,* G. W. Gleeson, *Dean,* S. H. Graf, *Director, State Engineering Experiment Station* 1917

The Pennsylvania State College, State College, Pa., M. S. Eisenhower, *President,* H. P. Hammond, *Dean,* M. Nelles, *Director of Research* 1914

University of Pennsylvania, Philadelphia, Pa., Harold E. Stassen, *President:* Moore School of Electrical Engineering, Carl C. Chambers, *Acting Dean* 1930

Towne Scientific School, L. N. Gulick, *Acting Dean* 1914

University of Pittsburgh, Pittsburgh, Pa., Rufus H. Fitzgerald, *Chancellor,* H. E. Dyche, *Acting Dean* 1913

PRATT INSTITUTE, Brooklyn, N. Y., Charles Pratt, *President,* N. S. Hibshman, *Dean,* H. R. Beatty, *Director of Research* 1939

Princeton University, Princeton, N. J., Harold Willis Dodds, *President,* K. H. Condit, *Dean* 1922

Purdue University, Lafayette, Ind., Frederick L. Hovde, *President,* A. A. Potter, *Dean* 1915

QUEEN'S UNIVERSITY, Kingston, Ont., Canada, R. C. Wallace, *President,* D. S. Ellis, *Dean* 1922

Rensselaer Polytechnic Institute, Troy, N. Y., L. W. Houston, *Director,* Paul E. Hemke, *Dean,* W. T. Henry, *Chairman, Committee on Research* 1922

Rhode Island State College, Kingston, R. I., Carl R. Woodward, *President,* T. S. Crawford, *Dean* 1913

RICE INSTITUTE, Houston, Tex., William V. Houston, *President* 1924

University of Rochester, Rochester, N. Y., C. W. de Kiewiet, *President,* L. B. Thompson, *Director of Coordinated Research,* L. D. Conta, *Chairman* 1937

ROSE POLYTECHNIC INSTITUTE, Terre Haute, Ind., F. L. Wilkinson, Jr., *President,* Carl Wischmeyer, *Vice President* 1916

Rutgers University, New Brunswick, N. J., Robt. C. Clothier, *President,* Elmer C. Easton, *Dean,* J. J. Slade, Jr., *Director, Engineering Experiment Station* 1914

UNIVERSITY OF SANTA CLARA, Santa Clara, Calif., W. C. Gianera, *President,* G. L. Sullivan, *Dean,* S. P. Walsh, *Director of Research* 1937

UNIVERSITY OF SOUTH CAROLINA, Columbia, S. C., Norman M. Smith, *President,* R. L. Sumwalt, *Dean,* W. H. Collcott, *Chairman, Research Committee* 1943

SOUTH DAKOTA STATE COLLEGE OF A. & M. ARTS, Brookings, S. D., Fred H. Leinbach, *President,* H. M. Crothers, *Dean* 1924

South Dakota School of Mines and Technology, Rapid City, S. D., Warren E. Wilson, *President,* E. D. Dake, *Dean* 1926

University of Southern California, Los Angeles, Calif., Frederick D. Fagg, *President,* R. E. Vivian, *Dean,* S. F. Duncan, *Director of Research* 1938

SOUTHERN METHODIST UNIVERSITY, Dallas, Texas, Umphrey Lee, *President,* E. H. Flath, *Dean,* U. Lee, *Chairman, Research Committee* 1929

Stanford University, Stanford, Calif., J. E. W. Sterling, *President,* Frederick E. Terman, *Dean,* J. E. Hobson, *Director, Research Institute* 1917

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N. J., Harvey N. Davis, *President,* Waldo Shumway, *Dean,* F. S. Cutting, *Director of Research* 1913

Swarthmore College, Swarthmore, Pa., John W. Nason, *President,* W. E. Reaser, *Dean,* S. T. Carpenter, *Director of Research* 1921

Syracuse University, Syracuse, N. Y., William P. Tolley, *Chancellor,* Louis Mitchell, *Dean,* W. C. Wheadon, *Director of Research* 1913

University of Tennessee, Knoxville, Tenn., C. E. Brehm, *Acting President,* N. W. Dougherty, *Dean,* G. H. Hickox, *Director of Research* 1921

A. & M. College of Texas, College Station, Tex., M. T. Harrington, *President,* H. W. Barlow, *Dean,* A. W. Melloh, *Vice Director of Research* 1916

Texas Technological College, Lubbock, Tex., D. M. Wiggins, *President,* D. E. Holcomb, *Dean,* W. B. Gates, *Director of Research* 1931

University of Texas, Austin, Tex., T. S. Painter, *President,* W. R. Woolrich, *Dean* .. 1919

University of Toledo, Toledo, Ohio, Asa Knowles, *President,* John B. Brandeberry, *Dean,* A. N. Solberg, *Director of Research* 1915

University of Toronto, Toronto, Ont., Canada, Sidney E. Smith, *President,* K. F. Tupper, *Dean* 1917

Tufts College, Medford, Mass., Leonard Carmichael, *President,* H. P. Burden, *Dean* .. 1914

Tulane University of Louisiana, New Orleans, La., R. C. Harris, *President,* L. H. Johnson, *Dean* 1921

University of Tulsa, Tulsa, Okla., C. I. Pontius, *President,* R. L. Langenheim, *Dean*. 1940

Union College, Schnectady, N. Y., Carter Davidson, *President,* H. W. Bibber, *Chairman, Division of Engineering* 1937

United States Coast Guard Academy, New London, Conn., Rear Admiral A. G. Hall, *Supt.,* Capt. G. F. Hicks, *Head,* Engineering Dept. 1939

United States Naval Postgraduate School, Annapolis, Md., Rear Admiral E. E. Herrmann, *Supt.,* R. S. Glasgow, *Dean* 1948

Utah State Agricultural College, Logan, Utah, L. L. Madsen, *President,* J. E. Christiansen, *Dean* 1940

University of Utah, Salt Lake City, Utah, A. R. Olpin, *President,* A. Leroy Taylor, *Dean,* J. H. Hamilton, *Director, Engineering Experiment Station* 1914

Vanderbilt University, Nashville, Tenn., B. Harvie Branscomb, *Chancellor,* F. J. Lewis, *Dean,* E. E. Litkenhous, *Director of Research* 1914

University of Vermont, Burlington, Vt., W. S. Carlson, *President,* Edd R. McKee, *Dean and Director, Engineering Experiment Station* 1915

Villanova College, Villanova, Pa., Francis X. N. McGuire, *President,* J. Stanley Morehouse, *Dean,* M. J. Gillan, *Director of Research* 1921

Virginia Military Institute, Lexington, Va., Richard J. Marshall, *Superintendent,* S. W. Anderson, *Academic Executive* 1937

Virginia Polytechnic Institute, Blacksburg, Va., Walter S. Newman, *President,* Earle B. Norris, *Dean* 1924

University of Virginia, University, Va., Colgate W. Darden, Jr., *President,* C. Henderson, *Acting Dean,* F. R. Geldard, *Director of Research* 1915

Washington University, St. Louis, Mo., Arthur H. Compton, *Chancellor,* Lawrence E. Stout, *Dean,* R. G. Spencer, *Research Director, Research Foundation* 1914

State College of Washington, Pullman, Wash., Wilson M. Compton, *President,* R. D. Sloan, *Dean,* R. L. Albrook, *Director, Division Industrial Research* 1924

University of Washington, Seattle, Wash., Raymond B. Allen, *President,* H. E. Wessman, *Dean,* F. B. Farquharson, *Director, Engineering Experiment Station* 1934

Wayne University, Detroit, Mich., David D. Henry, *President,* A. R. Carr, *Dean,* L. M. Patrick, *Director of Research* 1945

Webb Institute of Naval Architecture, Glen Cove, N. Y., S. M. Robinson, *Administrator,* ..... *Dean* 1937

West Virginia University, Morgantown, W. Va., Irwin S. Stewart, *President,* R. P. Davis, *Acting Dean,* W. A. Koehler, *Acting Director, Engineering Experiment Station* 1937

University of Wisconsin, Madison, Wis., Edwin B. Fred, *President,* M. O. Withey, *Dean* 1914

Worcester Polytechnic Institute, Worcester, Mass., Wat T. Cluverius, *President,* F. W. Roys, *Dean* 1913

University of Wyoming, Laramie, Wyo., G. D. Humprey, *President*, H. T. Person, *Dean*, H. G. Fisk, *Director of Research* 1925
Yale University, New Haven, Conn., A. Whitney Griswold, *President*, W. J. Wohlenberg, *Dean* 1917

Associate Members *

The American Institute of Chemical Engineers, Stephen Tyler, Secretary, 50 East 41st St., New York City 1939
The American Society of Civil Engineers, W. H. Carey, Secretary, 33 West 39th St., New York City 1939
The Engineering Institute of Canada, L. Austin Wright, Secretary, 2050 Mansfield St., Montreal, Canada 1924
E. I. duPont de Nemours & Co., Wilmington, Del., T. H. Chilton, Representative 1943
Hercules Power Co., Inc., Wilmington, Del., Emil Ott, Representative 1943
National Society of Professional Engineers, Paul H. Robbins, Executive Director, 1359 Connecticut Ave., Washington 6, D. C. 1947
Tau Beta Pi Association, Knoxville, Tenn., Merton M. Cory, *President*, Robert H. Nagel, *Secretary-Treasurer* 1949
Tennessee Eastman Corporation, J. C. Stone, Vice-President, Kingsport, Tenn. 1948

Affiliate Members †

Academy of Aeronautics, Inc., La Guardia Field, New York, N. Y. 1949
The Aeronautical University, Inc., Chicago, Ill., Alfred F. Stott, *Dean* 1948
Arkansas Polytechnical College, Russellville, Ark., J. W. Hull, *President*, A. S. Turner, *Dean* 1940
Bradley University, Peoria, Ill., D. B. Owen, *President*, R. E. Gibbs, *Dean* 1943
Bridgeport Engineering Institute, Bridgeport 4, Conn., John Shallenberger, *Secretary* 1945
Buffalo, University of, Buffalo, N. Y., S. P. Capen, *Chancellor*, Paul E. Mohn, *Head of Engineering* 1946
Cal-Aero Technical Institute, Glendale, Calif., C. C. Moseley, *President* 1949
Chrysler Institute of Engineering, Detroit, Mich., James C. Zeder, *President*, L. R. Baker, *Director* 1943
Franklin Technical Institute, Boston, Mass., B. K. Thorogood, *Director* 1940
University of Hawaii, Honolulu, T. H., G. M. Sinclair, *President*, Joseph F. Kunesh, *Dean* 1923
Howard University, Washington, D. C., M. W. Johnson, *President*, L. K. Downing, *Dean* 1937
Institute of Technology, St. Louis University, St. Louis, Mo., James B. Macelwane, *Dean* 1946
Kansas State Teachers College, Pittsburgh, Kansas, Rees H. Hughes, *President*, J. A. G. Shirk, *Engineering Advisor* 1937
Los Angeles City College, Los Angeles, Calif., R. C. Ingalls, *Director*, George W. Duncan, *Chairman, Engineering Department* 1937
Milwaukee School of Engineering, Milwaukee, Wis., Karl O. Werwath, *President* .. 1943
New York State Agricultural and Technical Institute of Alfred University, Alfred, N. Y., J. E. Walters, *President*, P. B. Orvis, *Director* 1943
Northrop Aeronautical Institute, Hawthorne, Calif. 1949
Nova Scotia Technical College, Halifax, Nova Scotia, A. E. Cameron, *President* .. 1950

* Associate members shall be professional organizations of engineers, research institutions, and industrial associations or organizations which have a major interest in engineering education.

† Affiliate members shall be other educational institutions engaged in technical instruction which have one or more curricula accredited by ECPD or which are accredited by a major regional educational association.

OHIO MECHANICS INSTITUTE, Cincinnati, Ohio, John T. Faig, *President*, P. K. Johnston, *Head of Engineering* 1940

OHIO NORTHERN UNIVERSITY, Ada, Ohio, Robert O. McClure, *President*, Alex. R. Webb, *Dean* 1937

UNIVERSITY OF PUERTO RICO, Rio Piedras, P. R., R. G. Tugwell, *Chancellor*, R. M. Ramos, *Dean* 1920

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Texas, E. B. Evans, *President* 1948

SAN JOSE STATE COLLEGE, San Jose, Calif., T. W. MacQuarrie, *President*, Ralph Smith, *Professor of Engineering* 1946

SINCLAIR COLLEGE, C. C. Bussey, *Director*, 117 W. Monument St., Dayton, Ohio, C. Carlton Perry, *Dean* 1946

SOUTHWESTERN LOUISIANA INSTITUTE, Lafayette, La., Joel L. Fletcher, *President*, G. G. Hughes, *Dean* 1944

TEXAS COLLEGE OF ARTS & INDUSTRIES, Kingsville, Texas, E. H. Poteet, *President*, F. H. Dotterweich, *Director* 1937

WESTINGHOUSE TECHNICAL NIGHT SCHOOL, East Pittsburgh, Pa., R. A. McPherson, *Manager* 1924

TOTAL MEMBERS

	Feb. 1950	Feb. 1951
Individual Members	6,517	7,225
Institutional Members		
Active	143	141
Associate	7	8
Affiliate	25	27
	175	176

Note: Use of information obtained from this directory for mailing of advertising literature is prohibited without the special approval of the Executive Board of the Society.

INDIVIDUAL MEMBERS

Revised to March 1, 1951

AAKHUS, THEODORE, Professor of Engineering Drawing, University of Nebraska, Lincoln, Nebr. 1933.

ABBOTT, H. PAUL, Director of Education, North America Companies, Philadelphia, Pa. 1949.

ABBOTT, WILLIAM, Ministry of Education, Belgrave Square, London, England. 1945.

ABBOTT, WILTON R., Assistant Professor of Electrical Engineering, University of California, Berkeley, Calif. 1945.

ABBUHL, FRED, Professor, Dept. of English, Rensselaer Polytechnic Institute, Troy, N. Y. 1939.

ABRAHAM, GEORGE, Head, Science Education Section, Naval Research Laboratory, Washington, D. C., and Lecturer, University of Maryland, College Park, Md. 1949.

ABUL-FETOUH, ABDEL-HADI, Lecturer, College of Engineering, Farouk El-Awal University, Alexandria, Egypt. 1950.

ACKENHEIL, ALFRED C., Associate Professor of Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1941.

ACKER, DAVID D., Instructor in Mechanical Engineering, Rutgers University, New Brunswick, N. J. 1948.

ACKER, SIDNEY H., Professor and Head, Dept. of Mechanical Engineering, Vanderbilt University, Nashville, Tenn. 1948.

ACKERMAN, CORNELIUS C., Assistant Professor of Civil Engineering, University of Toledo, Toledo, Ohio. 1948.

ACKERT, HUGH P., Assistant Professor of Engineering Drawing, University of Notre Dame, Notre Dame, Ind. 1945.

ACTON, STANLEY M., Professor of Aeronautical Engineering, Tri State College, Angola, Ind. 1949.

ADAMI, ARTHUR E., Dean and Professor of Mining Engineering, Montana School of Mines, Butte, Mont. 1943.

ADAMS, ARTHUR S., President, American Council on Education, 1785 Mass. Ave., Washington, D. C. 1931.

ADAMS, CLIFFORD L., Associate Professor of Physics, Union University, Jackson, Tenn. 1948.

ADAMS, DOUGLAS P., Associate Professor of Graphics, Massachusetts Institute of Technology, Cambridge, Mass. 1941.

ADAMS, FRANCIS J., Professor of Electrical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1912.

ADAMS, HENRY C., Associate Professor of Naval Architecture and Marine Engineering, University of Michigan, Ann Arbor, Mich. 1940.

ADAMS, HENRY P., Professor and Director of Technical Training, Oklahoma A. & M. College, Stillwater, Okla. 1947.

ADAMS, LESLIE K., Instructor in Electrical Engineering, University of Kentucky, Lexington, Ky. 1950.

ADAMS, OTTO V., Dean of Engineering, Emeritus Professor of Civil Engineering, Texas Technological College, Lubbock, Texas. 1930.

ADAMS, RALPH G., In charge of Day Courses, Franklin Technical Institute, Boston, Mass. 1940.

ADAMS, RAYMOND, Instructor in Mechanical Engineering, Villanova College, Villanova, Pa. 1950.

ADAMS, STALEY F., Assistant Professor of General Engineering, University of Kentucky, Lexington, Ky. 1949.

ADAMS, THOMAS C., 242 S. 12th St. E., Salt Lake City, Utah. 1930.

ADAMS, WILLIAM E., Director of Instruction, School of Engr., North Carolina State College, Raleigh, N. C. 1939.

ADAMSON, GEORGE A., Dean, College of Engineering, Adamson University, Manila, Philippines. 1948.

ADDISON, ARNOLD, Associate Professor and Personnel Director, Ordnance Research Laboratory, Pennsylvania State College, State College, Pa. 1950.

AGTHE, FREDERICK T., Process Engineer, Allis-Chalmers Mfg. Co., Milwaukee 1, Wis. 1944.

AHERN, JOHN J., Professor and Director of Fire Protection and Safety Engineering, Illinois Institute of Technology, Chicago, Ill. 1948.

AHLQUIST, ROBERT W., Associate Professor of Electrical Engineering, Iowa State College, Ames, Iowa. 1929.

AHMAD, ZAKI UDDIN, Assistant Professor of Electrical Engineering, Thomason College of Engineering, Roorkee, India. 1948.

AHUJA, VICTOR B., Secretary General and Head of Civil Engineering School, Instituto Tecnologico de Monterrey, Monterrey, N. L., Mexico. 1950.

AIDALA, JOSEPH B., Assistant Professor in Electrical Engineering, Pratt Institute, Brooklyn, N. Y. 1947.

AIKELE, CARL M., Instructor in Chemistry and Chemical Engineering, Purdue University, Lafayette, Ind. 1947.

AIKEN, HECTOR H., Instructor in Mechanical Engineering on leave 1950–51, Stanford University, Stanford, Calif. 1950.

AIKIN, HENRY B., Associate Professor of Civil Engineering, University of Tennessee, Knoxville, Tenn. 1937.

AIKMAN, JAMES B., Assistant Professor of Drawing Mechanics & Design, University of Buffalo, Buffalo, N. Y. 1948.

AIRD, C. CLIFTON, Assistant Professor of Geology, Michigan College of Mining and Technology, Houghton, Mich. 1949.

AJAX, FRED W., Associate Dean of Students, Georgia Institute of Technology, Atlanta, Ga. 1949.

AKERMAN, JOHN D., Professor and Head, Department of Aeronautical Engineering, University of Minnesota, Minneapolis 14, Minn. 1931.

AKERMAN, JOSEPH R., Instructor in Mechanical Engineering, University of Wisconsin, Madison, Wis. 1947.

AKEY, WAYNE W., (Staff Asst.) Training Division, U. S. Naval Ordnance Test Station, China Lake, Calif. 1944.

ALBACH, WALTER H., Lecturer in General Engineering, University of Southern California, Los Angeles, Calif. 1950.

ALBERT, ARTHUR L., Professor of Electrical Engineering, Oregon State College, Corvallis, Ore. 1929.

ALBERT, WALDO E., JR., Instructor in Applied Mechanics, Indiana Technical College, Fort Wayne, Ind. 1948.

ALBERTSON, MAURICE L., Associate Professor of Civil Engineering, Colorado A. & M. College, Fort Collins, Colo. 1946.

ALBRECHT, CARL F., Assistant Professor of Agricultural Engineering, Michigan State College, East Lansing, Mich. 1949.

ALBRIGHT, JOHN G., Professor and Head, Dept. of Physics, Rhode Island State College, Kingston, R. I. 1944.

ALLBRITTON, JACK H., Technical Instructor, Vocational Dept., University of Houston, Houston, Texas. 1949.

ALBRIGHT, PENROSE S., Professor and Head of Physics, University of Wichita, Wichita, Kans. 1932.

ALBROOK, R. L., Director, Division of Industrial Research, Washington State College, Pullman, Wash. 1949.

ALDRICH, BENJAMIN M., Associate Professor of Mechanical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1932.

ALDRICH, H. LAMAR, Assistant Professor of Engineering Drawing, Michigan State College, East Lansing, Mich. 1946.

ALEJANDRE, BLAS A. 1946.

ALEXANDER, DONALD C., Assistant Professor of Electrical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1944.

ALEXANDER, LOWELL M., Professor of Physics, University of Cincinnati, Cincinnati, Ohio 1948.

ALEXANDER, NICHOLAS, Dean, Holy Trinity Orthodox Seminary, Jordanville, N. Y. 1937.

ALEXANDER, WILLIAM T., Dean of Engineering, Northeastern University, Boston 15, Mass. 1946.

ALGER, PHILIP L., Consulting Engineer, Apparatus Dept., General Electric Company, Schenectady, N. Y. 1925.

ALGREN, AXEL B., Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1929.

ALI, HAKIM, Principal, Engineering College, and Dean, Faculty of Engineering, Dacca University, Dacca (East Bengal), Pakistan. 1948.

ALLAN, WILLIAM, Dean, School of Technology, College of the City of New York, New York City. 1935.

ALLEE, DAVID W., Assistant Director for Ind.-Tech. Ed., Long Island Agric. & Tech. Institute, Farmingdale, N. Y. 1950.

ALLEN, ALFRED W., Associate Professor of Ceramic Engineering, University of Illinois, Urbana, Ill. 1950.

ALLEN, CHESTER L., Prof. Emeritus, Civil Eng., Mich. State College. Associate Professor of Civil Engineering, Clarkson College of Technology, Potsdam, N. Y. 1917.

ALLEN, FORREST E., Development and Research Division, The International Nickel Company, Inc., 67 Wall Street, New York 5, N. Y. 1943.

ALLEN, GEORGE M., Professor of Graphics, Columbia University, New York, N. Y. 1941.

ALLEN, PHILIP, Assistant Professor of Mechanical Engineering, Villanova College, Villanova, Pa. 1949.

ALLEN, ROBERT L., Associate Professor of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1937.

ALLEN, RUSSELL B., Professor of Civil Engineering, University of Maryland, College Park, Md. 1937.

ALLEN, SHIRLI C., Lecturer in Engineering, University of California, Los Angeles, Calif. 1950.

ALLEN, STUART C., Assistant Professor and Head of Engineering Drawing, Champlain College, Plattsburg, N. Y. 1947.

ALLEN, VICTOR T., Professor and Director, Dept. of Geology, St. Louis University, St. Louis, Mo. 1946.

ALLERDING, JOHANNA E., Librarian, Engineering Library, University of California, Los Angeles, Calif. 1948.

ALLISON, NATHAN B., Instructor in Electrical Engineering, University of Kentucky, Lexington, Ky. 1948.

ALLISON, WILLIAM H., Professor and Acting Head, Dept. of Civil Engineering, Clarkson College of Technology, Potsdam, N. Y. 1928.

ALLMAN, JAMES M., Assistant Professor of Mechanical Engineering, University of Delaware, Newark, Del. 1949.

ALMSTEAD, FRANCIS E., Coordinator, Technical Institutes, New York State Dept. of Education, 14 Van Schoick Ave., Albany, N. Y. 1943.

ALMY, LOREN B., Associate Professor of Civil Engineering, State College of Washington, Pullman, Wash. 1941.

ALPERN, MILTON, Instructor in Civil Engineering, The Cooper Union, New York, N. Y. 1949.

ALSMEYER, WILLIAM C., Assistant Professor of Civil Engineering, Iowa State College, Ames, Iowa. 1943.

ALT, GLENN L., Associate Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. 1948.

ALTMAN, H. SANFORD, Instructor in Engineering Drawing, University of Notre Dame, Notre Dame, Ind. 1946.

ALTOZ, FRANK E., Assistant Instructor in Mechanical Engineering, Newark College of Engineering, Newark, N. J. 1950.

ALTPETER, ROGER J., Associate Professor of Chemical Engineering, University of Wisconsin, Madison, Wis. 1947.

ALVORD, HERBERT H., Instructor in Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

AMARAL DO AZEVEDO, IGNACIO M., Director, Escola Nacional de Engenheria, Universidade do Brazil, Rua Voluntarios da Patria, 31, Rio de Janeiro, Brazil, S. A. 1943.

AMARAL DE MATTOS, JOSE ZACHARIAS, Professor of Technical Drawing, Escola Nacional de Engenharia, Largo de Sao Francisco, Rio de Janeiro, D. F., Brazil. 1946.

AMBERG, CHARLES R., Head, Research Dept., N. Y. State College of Ceramics, Alfred, N. Y. 1941.

AMBROSE, HARRY H., Assistant Professor of Civil Engineering, University of Tennessee, Knoxville, Tenn. 1949.

AMBROSIO, ALPHONSO, Associate in Engineering, University of California, Los Angeles, Calif. 1950.

AMBROSIUS, EDGAR E., Professor of Mechanical Engineering, The Pennsylvania State College, State College, Pa. 1941.

AMELOTTI, EMIL, Professor of Mathematics, Villanova College, Villanova, Pa. 1947.

AMES, ALFRED C., Assistant Professor of English, Illinois Institute of Technology, Chicago, Ill. 1947.

AMICK, ERWIN H., JR., Associate Dean, School of Engg., Columbia University, New York City. 1946.

AMIDON, LEE L., Professor and Head, Dept. of Mechanical Engineering, South Dakota State College, Brookings, S. D. 1928.

AMISS, JOHN M., Director, Industrial Education, Chrysler Corporation, Detroit, Mich. 1945.

AMORES, JOSE E., Chemical Engineering, Director of the Escuela Preparatoria, Tecnologico de Monterrey, Monterrey, N. L., Mexico. 1950.

AMOS, HAROLD C., Instructor in Mechanical Engineering, University of Nebraska, Lincoln, Nebr. 1949.

AMRINE, HAROLD T., Associate Professor of Industrial Engineering, Purdue University, Lafayette, Ind. 1947.

AMSTEAD, BILLY H., Assistant Professor of Mechanical Engineering, University of Texas, Austin, Texas. 1949.

ANASTASSIADIS, DIMITRIOS T., Civil Engineer, 41 Stournara St., Athens, Greece. 1948.

ANDEEN, JOHN W., Assistant Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1947.

ANDERSEN, PAUL, Professor of Structural Engineering, University of Minnesota, Minneapolis, Minn. 1934.

ANDERSON, ALBERT W., Professor and Chairman, Dept. of Mechanical Engineering, North Dakota Agricultural College, Fargo, N. D. 1945.

ANDERSON, ALVIN G., Asst. Prof. in Civil Engineering, University of Minnesota, Minneapolis, Minn. 1947.

ANDERSON, CLAIRE A., Professor of Engineering and Head of Center, University of Pittsburgh, Johnstown Center, Johnstown, Pa. 1926.

ANDERSON, C. EDWARD, Professor of Mechanical Engineering, University of Miami, Coral Gables, Fla. 1928.

ANDERSON, CLIFFORD O., Associate Professor of Mechanical Engineering, North Dakota Agricultural College, Fargo, N. D. 1943.

ANDERSON, ERNEST W., Professor of Math. and Research Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1950.

ANDERSON, FRANK A., Chairman, Dept. of Chemistry and Chemical Engineering, University of Mississippi, University, Miss. 1944.

ANDERSON, FREDERICK A., Assistant Professor of Mechanical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1948.

ANDERSON, HOWARD B., Assistant Professor of Mathematics, Michigan College of M. & T., Houghton, Mich. 1947.

ANDERSON, JAMES H., Assistant Professor of Mechanical Engineering, San Jose State College, San Jose 14, Calif. 1947.

ANDERSON, JEAN A., Assistant Professor of Technical Drawing, Illinois Institute of Technology, Chicago 16, Ill. 1948.

ANDERSON, JOHN, Professor of Civil Engineering, The Citadel, Charleston, S. C. 1936.

ANDERSON, JOHN R., Instructor in Drawing, University of Minnesota, Minneapolis, Minn. 1950.

ANDERSON, LE ROY T., Associate Professor of Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

ANDERSON, PAUL V., Assistant Professor in Mathematics, Michigan College of M. & T., Houghton, Mich. 1946.

ANDERSON, REIDAR L., Assistant Professor of Engineering Mechanics, Purdue University, Lafayette, Ind. 1945.

ANDERSON, RICHARD D., Associate Professor and Head, Engineering Shops, South Dakota State College, Brookings, S. D. 1947.

ANDERSON, ROBERT E., Assistant Professor of Electrical Engineering, Newark College of Engineering, Newark, N. J. 1948.

ANDERSON, SVEN A., Associate Professor of Management Engineering and Economics, Rensselaer Polytechnic Institute, Troy, N. Y. 1947.

ANDERSON, VINCENT W., Instructor in Drawing and Descriptive Geometry, University of Minnesota, Minneapolis, Minn. 1950.

ANDERSON, WALTER T., Instructor in Electrical Engineering, Michigan College of M. & T., Houghton, Mich. 1946.

ANDES, AMMON S., Associate Professor of Aeronautical Engineering, University of Kansas, Lawrence, Kans. 1937.

ANDOLINA, ANTHONY U., Instructor in Mechanical Engineering, Tri-State College, Angola, Ind. 1948.

ANDREASSEN, ALEXANDER T., Assistant Professor of Engineering Mechanics, Pennsylvania State College, State College, Pa. 1943.

ANDREWS, ANDREW I., Professor and Head, Dept. of Ceramic Engineering, University of Illinois, Urbana, Ill. 1943.

ANDREWS, ANTHONY H., Instructor, Engineering Drafting, West Virginia State College, Institute, W. Va. 1948.

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ANGERMANN, WILLIAM G., Associate Professor of Electrical Engineering, University of Southern California, Los Angeles, Calif. 1937.

ANKRUM, PAUL D., Associate Professor of Electrical Engineering, Cornell University, Ithaca, N. Y. 1947.

ANNER, GEORGE E., Assistant Professor of Electrical Engineering, New York University, New York, N. Y. 1948.

ANSELMINI, LUDWIG, Assistant Prof. Manufacturing Processes, Pratt Institute, Brooklyn, N. Y. 1948.

ANTEL, JEROME S., JR., Assistant Professor in Electrical Engineering, George Washington University, Washington, D. C. 1948.

ANTONI, CHARLES M., Assistant Professor of Civil Engineering, Syracuse University, Syracuse, N. Y. 1946.

ANTZES, HERBERT L., Staff Instructor, Technical Marine Corps Institute, Marine Barracks, Washington, D. C. 1948.

APPLE, JAMES M., Associate Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1946.

APPLE, ROBERT E., Instructor in Civil Engineering, University of Texas, Austin, Texas. 1948.

APPLEBAUM, BERNARD, Instructor in Civil Engineering, University of Connecticut, Storrs, Conn. 1948.

APPLEBY, ALFRED N., Assistant Professor of Drafting, College of the City of New York, New York City. 1940.

APPELGATE, JAMES M., Lecturer in General Engineering, University of Southern California, Los Angeles, Calif. 1947.

APPLEGATE, JOHN E., Instructor in Mechanical Engineering, The Ohio State University, Columbus, Ohio. 1948.

ARCHER, LAWRENCE H., Instructor in Mathematics, Ohio Northern University, Ada, Ohio. 1949.

ARCHER, LUTHER B., Associate Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1944.

ARDUSER, LEON P., Senior Training Officer, U. S. Veterans Administration, Montgomery, Ala. 1925.

ARENDT, JOHN, JR., Instructor in Structural Engineering, Fenn College, Cleveland, Ohio. 1947.

ARENTS, CHESTER A., Associate Professor of Mechanical Engineering, Illinois Institute of Technology, Chicago, Ill. 1946.

ARIES, ROBERT S., Adjunct Professor of Chemical Engineering, Polytechnic Institute of Brooklyn, N. Y. 1948.

ARLIN, MARSHALL N., Head, Industrial Electronics, Wentworth Institute, Boston, Mass. 1946.

ARM, DAVID L., Dean, School of Engineering, University of Delaware, Newark, Del. 1934.

ARMENTO, WILLIAM J., Instructor in Civil Engineering, College of the City of New York, New York City. 1947.

ARMINGTON, RALPH E., Assistant Professor of Electrical Engineering, Pennsylvania State College, State College, Pa. 1949.

ARMSBY, HENRY H., Associate Chief for Engineering Education, U. S. Office of Education, Washington 25, D. C. (*Member of Council, 1938–41, 1947–48; Vice President, 1949–51.*) 1917.

ARMSTRONG, EDWIN H., Professor of Electrical Engineering, Columbia University, New York City. 1937.

ARMSTRONG, W. H., Associate Professor of Industrial Engineering, The Pennsylvania State College, State College, Pa. 1937.

ARMSTRONG, WILLARD P., Assistant Professor of Chemical Engineering, Washington University, St. Louis, Mo. 1949.

ARNOLD, CHRISTIAN K., Instructor in English, University of Colorado, Boulder, Colo. 1948.

ARNOLD, DONALD S., Assistant Professor of Chemical Engineering, North Carolina State College, Raleigh, N. C. 1947.

ARNOLD, HENDRICK J., Assistant Professor of Electrical Engineering, University of Arkansas, Fayetteville, Ark. 1950.

ARNOLD, ISAAC, Vice President, Quintana Petroleum Corporation, Houston, Texas. 1949.

ARNOLD, J. ELWOOD, Manager, Ordnance Aerophysics Laboratory, Consolidated Vultee Air Corp., Daingerfield, Rt. 1, Texas. 1938.

ARNOLD, JOHN E., Assistant Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1947.

ARNOLD, J. NORMAN, Associate Professor of General Engineering, Purdue University, Lafayette, Ind. 1933.

ARTLEY, JOHN L., Assistant Professor of Electrical Engineering, U. S. Naval Academy, Annapolis, Md. 1949.

ASHTON, NED L., Associate Professor of Civil Engineering, State University of Iowa, Iowa City, Iowa. 1948.

ASSINI, LEWIS T., Assistant Professor of Mechanics, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

ASTILL, KENNETH N., Assistant Professor of Mechanical Engineering, Tufts College, Medford, Mass. 1948.

ATKINSON, FREDERICK G., Director of Industrial Relations, R. H. Macy & Co., Inc., New York 1, N. Y. 1937.

ATKINSON, MARGARET B., Assistant Professor of Engineering Drawing, Texas Technological College, Lubbock, Texas. 1937.

ATTWOOD, STEPHEN S., Professor of Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1926.

ATWOOD, L. L., Professor and Head, Dept. of Language and History, Worcester Polytechnic Institute, Worcester, Mass. 1939.

AUBERT, BROTHER J., Associate Professor of Civil Engineering, Manhattan College, New York City. 1935.

AUBURN, NORMAN P., Dean of University Administration, University of Cincinnati, Cincinnati, Ohio. 1942.

AULT, E. STANLEY, Professor of Machine Design, Purdue University, Lafayette, Ind. 1925.

AUPPERLE, GLEN L., Instructor in Mechanical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1948.

AUSTIN, ALLEN A., Coordinator of Vocational Education, Whittier Union High School, Whittier, Calif. 1945.

AUTEN, LLOYD D., Associate Professor of Electrical Engineering, Tri-State College, Angola, Ind. 1948.

AUTENREITH, GEORGE C., Professor and Chairman, Dept. of Drafting, College of the City of New York, New York City. 1927.

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AVENT, JOHN M., Surry, Maine. 1948.

AVERY, DON E., Instructor in General Engineering, University of Washington, Seattle, Wash. 1948.

AVIL, RICHARD D., Chairman, Physics Department, Pennsylvania Military College, Chester, Pa. 1948.

AVILA, FRANK W., Assistant Professor of Tech. Inst., Purdue University, Fort Wayne, Ind. 1948.

AX, LELAND S., Professor and Head, Radio Engineering, Tri-State College, Angola, Ind. 1943.

AYERS, JOSEPH A., Associate Professor of English, University of Louisville, Louisville, Ky. 1939.

AYERS, MAURICE T., Professor of General Engineering, Rutgers University, New Brunswick, N. J. (*Member of Council, 1948–50.*) 1938.

AYLOR, MELVIN W., Assistant Professor of Engineering, University of Virginia, University, Va. 1946.

AYRE, ROBERT S., Acting Associate Professor of Mechanical Engineering, Stanford University, Stanford University, Calif. 1939.

AYRES, EDMUND D., Professor of Electrical Engineering, The Ohio State University, Columbus, Ohio. 1934.

AYRES, QUINCY C., Assistant to the President, Professor of Agricultural Engineering, Iowa State College, Ames, Iowa. 1926.

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AZPELL, EDWARD W., Associate Professor of Mechanical Engineering, Purdue University, Lafayette, Ind. 1945.

BAARS, ERNST S. H., Professor of Refrigeration Engineering, Milwaukee School of Engineering, Milwaukee, Wis. 1949.

BABB, DANIEL S., Assistant Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1950.

BABBITT, HAROLD E., Professor of Sanitary Engineering, University of Illinois, Urbana, Ill. 1922.

BABCOCK, HENRY A., Assistant Professor of Civil Engineering, Colorado School of Mines, Golden, Colo. 1947.

BABCOCK, JOHN B., Professor of Railway Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1923.

BABCOCK, M. M., Professor of Industrial Engineering, Pennsylvania State College, State College, Pa. 1936.

BABCOCK, WILLARD F., Associate Professor of Civil Engineering, North Carolina State College, Raleigh, N. C. 1946.

BACCUS, IRA B., Professor and Head, Department of Electrical Engineering, Michigan State College, East Lansing, Mich. 1942.

BACH, ARTHUR E., Placement Director, Case Institute of Technology, Cleveland, Ohio. 1950.

BACHA, CHARLES P., Assistant Professor of Mechanical Engineering, Rutgers University, New Brunswick, N. J. 1948.

BACHMAN, CHARLES L., Instructor in Mechanical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1948.

BACHRACH, WILLIAM, Director of Education, Chicago Technical College, Chicago, Ill. 1947.

BACKER, LESLIE H., Professor of Chemistry, Stevens Institute of Technology, Hoboken, N. J. 1930.

BACKER, LOUIS B., Administration Engineer, American Machine & Foundry Co., Buffalo 12, N. Y. 1936.

BACON, PAUL A., Instructor in Drawing and Mechanics, University of Buffalo, Buffalo, N. Y. 1948.

BACON, RINALDO A., Assistant Professor of Mechanical Engineering, University of Texas, Austin, Texas. 1939.

BADLEY, JOY E., President, Tractor Training Service, 406 Panama Bldg., Portland 4, Ore. 1944.

BAGBY, LLOYD C., Professor and Head, Depts. of Mathematics and Industrial Engineering, Lawrence Institute of Technology, Detroit 3, Mich. 1947.

BAHLI, FREDDY, Electrical Engineering, 327, U Wisara Road, Rangoon, Burma. 1950.

BAHME, CHARLES W., Instructor in Engineering Extension Division, University of California, Los Angeles, Calif. 1949.

BAHRMAN, GEORGE E., Assistant Professor of Electrical Engineering, Michigan College of M. & T., Houghton, Mich. 1945.

BAILEY, ALBERT D., Assistant Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1943.

BAILEY, ALEX D., Vice President, Commonwealth Edison Co., 72 W. Adams St., Chicago, Ill. 1943.

BAILEY, ALSON H., Professor of Mathematics, Georgia Institute of Technology, Atlanta, Ga. 1948.

BAILEY, ARTHUR P., Associate Professor of Industrial Engineering, University of New Mexico, Albuquerque, N. M. 1946.

BAILEY, BENJ. F., Professor Emeritus of Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1920.

BAILEY, JOEL F., Professor of Mechanical Engineering, University of Tennessee, Knoxville, Tenn. 1943.

BAILEY, NEIL P., Professor and Head, Dept. of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1930.

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BAILEY, THOMAS R., Instructor in Electrical Engineering, University of Louisville, Louisville, Ky. 1949.

BAILEY, WAYLAND S., Associate Professor of Mechanical Engineering, Norwich University, Northfield, Vermont. 1937.

BAINER, ROY, Professor and Head, Division of Agricultural Engineering, University of California, Davis, Calif. 1933.

BAIRD, JOHN, Associate Professor of Electrical Engineering, University of Wisconsin, Madison 6, Wis. 1946.

BAKALER, ARNOLD J., Instructor in Technical Drawing, Illinois Institute of Technology, Chicago, Ill. 1947.

BAKENHUS, R. E., Rear Admiral, U.S.N., Retired, Consulting Engineer, Res. 51 5th Ave., New York, N. Y. 1949.

BAKER, CHESTER P., Professor and Chairman, Dept. of Chemical Engineering, Northeastern University, Boston, Mass. 1926.

BAKER, EDWARD G., Technical Staff, American Bureau of Shipping, 47 Beaver St., New York 4, N. Y. 1934.

BAKER, HAROLD M., Associate Professor of Mechanical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1947.

BAKER, H. DEAN, Associate Professor of Mechanical Engineering, Columbia University, New York City. 1943.

BAKER, JOHN B., Professor of Mechanical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1948.

BAKER, JOHN F., Professor of Mechanical Sciences and Head, Dept. of Engineering, Cambridge University, Cambridge, England. 1945.

BAKER, JOHN L., Assistant Professor of Mathematics, University of Cincinnati, Cincinnati, Ohio. 1947.

BAKER, LEE R., Director, Chrysler Institute of Engineering, Detroit, Mich. 1946.

BAKER, OLLIE J., Director, Low-Cost Housing Research, Louisiana State University, University, La. 1947.

BAKER, RALPH D., Professor of Aeronautical Engineering, University of Utah, Salt Lake City, Utah. 1940.

BAKER, RAY P., Vice President, Rensselaer Polytechnic Institute, Troy, N. Y. 1919.

BAKER, ROBERT H., Director of Graduate School and of Industries Training School, Stevens Institute of Technology, Hoboken, N. J. 1943.

BAKER, WILFRED H., Associate Professor of Civil Engineering, West Virginia University, Morgantown, W. Va. 1944.

BAKER, WILLIAM M., Assistant Professor of Physics, University of Detroit, Detroit, Mich. 1945.

BAKHMETEFF, BORIS A., Professor of Civil Engineering, Columbia University, New York City. 1937.

BAKKEN, STEWART E., Assistant Professor of Mechanical Engineering, North Dakota Agricultural College, Fargo, N. D. 1946.

BALBER, AMNON, Instructor, Technical Dept., Central Radio and Television Schools, Kansas City, Mo. 1950.

BALDO, ANTONIO F., Tutor in Mechanical Engineering, College of the City of New York, New York, N. Y. 1949.

BALDWIN, EDWARD N., Professor of Engineering, Pennsylvania State College, State College, Pa. 1946.

BALINKIN, ISAY, Associate Professor of Physics, University of Cincinnati, Cincinnati, Ohio. 1948.

BALINT, ANTHONY T., Associate Professor of Electrical Engineering, University of Buffalo, Buffalo, N. Y. 1942.

BALL, W. H. WARREN, Instructor in Electrical Engineering, University of Buffalo, N. Y. 1950.

BALLARD, ERNEST J., Assistant Professor of Electrical Engineering, University of Nebraska, Lincoln, Nebr. 1948.

BALLARD, JOHN H., Assistant Professor of Chemical Engineering, University of Southern California, Los Angeles, Calif. 1950.

BALLARD, STANLEY S., Professor and Chairman, Dept. of Physics, Tufts College, Medford, Mass. 1947.

BALLEISEN, CHARLES E., Supervisor, Mechanical Lab., Southwest Research Institute, San Antonio, Texas. 1947.

BALLIS, ROBERT J., Instructor in Civil Engineering, Newark College of Engineering, Newark, N. J. 1949.

BALYEAT, RALPH E., Asst. Prof. Ind. Eng., Purdue Univ., W. Lafayette, Ind. 1948.

BAMFORTH, FREDERIC R., Professor of Mathematics, Ingoldsby, Ontario, Canada. 1943.

BANCHERO, JULIUS, Professor of Chemical and Metallurgical Engineering, University of Michigan, Ann Arbor, Mich. 1943.

BANGS, JOHN R., Director of Personnel and Industrial Relations, Edward G. Budd Mfg. Co., Philadelphia, Pa. 1932.

BANICK, WM. GEORGE, Fulton High School, Atlanta, Ga. 1948.

BANKS, CHARLES W., Head, Department of Applied Science, retired, Wentworth Institute, 15 Standish St., Newton Highlands 61, Mass. 1937.

BANNON, ROBERT E., Associate Professor of Mechanical Engineering, Newark College of Engineering, Newark, N. J. 1947.

BARBER, CARL S., Instructor in Technical Drawing, Illinois Institute of Technology, Chicago, Ill. 1949.

BARBER, EDWARD S., Associate Professor of Civil Engineering, University of Maryland, College Park, Md., and Lecturer in Soil Mechanics, Catholic University of America, Washington, D. C. 1948.

BARBULESCO, C. D., Professor of Electrical Engineering, Antioch College, Yellow Springs, Ohio. 1945.

BARCLAY, LELAND, Assistant Professor of Civil Engineering, University of Texas, Austin, Texas. 1938.

BARDSLEY, CLARENCE E., Professorial Lecturer in Mechanical Engineering, George Washington University, Washington, D. C., and Hydraulics Engineer, National Bureau of Standards, Washington 25, D. C., and Instructor in Engineering Mechanics, Montgomery Junior College, Bethesda 14, Md. 1937.

BARGER, EDGAR L., Professor of Agricultural Engineering, Iowa State College, Ames, Iowa. 1943.

BARISH, NORMAN N., Associate Professor of Administrative Engineering and Secretary of the College of Engineering, New York University, New York, N. Y. 1948.

BARKAN, HERBERT, Assistant Prof. in Mathematics, Newark College of Engineering, Newark, N. J. 1947.

BARKER, CHARLES L., Professor of Hydraulic Engg., Washington State College, Pullman, Wash. 1928.

BARKER, GEORGE J., Professor and Chairman, Dept. of Mining and Metallurgy, University of Wisconsin, Madison, Wis. (*Member of Council, 1948–50.*) 1935.

BARKER, JOHN F., Instructor in Engineering English, University of Colorado, Boulder, Colo. 1948.

BARKER, JOSEPH W., President, Research Corp., 405 Lexington Ave., New York 17, N. Y. (*Member of Council, 1935–38.*) 1926.

BARKER, MAURICE E., Head and Professor of Chemical Engineering, University of Arkansas, Fayetteville, Ark. 1949.

BARKSON, JOSEPH A., Assistant Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1950.

BARLOW, HOWARD W., Dean, School of Engineering, A. & M. College of Texas, College Station, Texas. (*Member of Council, 1946–51.*) 1940.

BARNARD, NILES H., Professor and Chairman, Dept. of Mechanical Engineering, University of Nebraska, Lincoln, Nebr. 1930.

BARNES, F. A., Professor Emeritus of Railroad Engineering, Cornell University, Ithaca, N. Y. (Home: Pleasant Valley, Conn.) *Life Member.* 1904.

BARNES, GEORGE C., Professor of Electrical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1946.

BARNES, GEORGE E., Professor of Hydraulic and Sanitary Engineering, Head, Dept. of Civil Engineering, Case Institute of Technology, Cleveland, Ohio. 1933.

BARNES, JAMES C., Assistant Professor of Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

BARNES, JOHN L., Professor of Electrical Engineering, University of California, Los Angeles, Calif. 1938.

BARNES, JOHN S., Manager, Prod. Dept., John Wiley & Sons, Inc., 440 Fourth Ave., New York City. 1940.

BARNES, RALPH M., Professor of Engineering and Production Management, University of California, Los Angeles 24, Calif. 1929.

BARNES, ROBERT H., Instructor in Engineering, University of Rochester, Rochester, N. Y. 1950.

BARNES, WILSON R., Associate Professor of Chemical Engineering, University of Louisville, Louisville, Ky. 1939.

BARNETT, BRINKLEY, Associate Professor of Electrical Engineering, University of Kentucky, Lexington, Ky. 1943.

BARNETTE, NEWTON H., Professor of Electrical Engineering, University of Arkansas, Fayetteville, Ark. 1945.

BARNUM, JEROME, Technical Training Advisor, Bigelow-Sanford Carpet Co., 381 Midland Ave., Rye, N. Y. 1948.

BARNWELL, GEORGE W., Taunton Lakes, Marlerton, N. J. 1932.

BARNWELL, JOSEPH H., Associate Professor of Mechanical Engineering, Louisiana Polytechnic Institute, Ruston, La. 1948.

BARON, FRANK, Professor of Civil Engineering, Northwestern University, Evanston, Ill. 1947.

BARRE, HENRY J., Head, Dept. of Agricultural Engineering, Purdue University, Lafayette, Ind. (*Member of Council, 1949–50.*) 1944.

BARRICK, DENNIS L., Assistant Professor of Applied Mathematics, University of Colorado, Boulder, Colo. 1946.

BARROWS, H. K., Consulting Engineer, 332 Highland Ave., Winchester, Mass. 1902.

BARRY, BROTHER B. A., F.S.C., Assistant Professor of Civil Engineering, Manhattan College, New York 63, N. Y. 1948.

BARRY, J. GRIFFITHS, Consulting Engineer, Guided Missiles, Pilotless Plane Div., Fairchild Engine & Airplane Corp., Farmingdale, N. Y. 1941.

BARTEL, HERBERT H., Instructor in Civil Engineering, Southern Methodist University, Dallas, Texas. 1947.

BARTELS, JEROME, Assistant Professor of Mechanical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1946.

BARTH, THOMAS S., Assistant Professor of Civil Engineering, University of Houston, Houston, Texas. 1949.

BARTHEL, CHRISTOPHER E., Chairman of Physics Research, Armour Research Foundation, Chicago 16, Ill. 1944.

BARTHOLOMEW, DAVIS, Associate Professor of Electrical Engineering, University of Arizona, Tucson, Ariz. 1946.

BARTKUS, EDWARD P., Assistant Professor of Chemical Engineering, West Virginia University, Morgantown, W. Va. 1949.

BARTLETT, BOYD W., Professor and Head, Dept. of Electricity, United States Military Academy, West Point, N. Y. 1945.

BARTLETT, HOWARD R., Professor and Head, Dept. of English and History, Massachusetts Institute of Technology, Cambridge, Mass. 1939.

BARTLETT, LUIS H., Department of Chemical Engineering, Oklahoma A. & M. College, Stillwater, Oklahoma. 1945.

BARTON, MILLARD V., Professor of Aeronautical Engineering, University of Texas, Austin, Texas. 1939.

BARTOW, EDWARD, Professor Emeritus of Chemistry, State University of Iowa, Iowa City, Iowa. 1921.

BARZELAY, MARTIN E., Associate Professor of Aeronautical Engineering, Syracuse University, Syracuse, N. Y. 1947.

BASORE, CLEBURNE A., Professor and Head, Dept. of Chemical Engineering, Alabama Polytechnic Institute, Auburn, Ala. 1938.

BASS, FREDERIC, Professor Emeritus, University of Minnesota, Minneapolis, Minn. *Life member.* (*Member of Council, 1918–21.*) 1908.

BASS, LAWRENCE W., Vice President, U. S. Industrial Chemicals, Inc., 60 East 42nd St., New York 17, N. Y. 1942.

BASSAR, NICHOLAS, JR., Assistant Prof. in Civil Engineering, Montana State College, Bozeman, Mont. 1947.

BASU, AMIYA K., Professor of Mechanical Engineering, Jadavpur College, West Bengal, India. 1948.

BATCHELLER, HILAND G., Chairman of the Board, Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. 1949.

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BATES, HERBERT T., Assistant Professor of Chemical Engineering, University of Nebraska, Lincoln, Nebr. 1941.

BATES, MAURICE E., Professor and Acting Head, Dept. of Mechanical Engineering, University of Massachusetts, Amherst, Mass. 1947.

BATY, JAMES B., Professor of Civil Engineering, A. & M. College of Texas, College Station, Texas. 1948.

BAUDER, FREDERICK W., Assistant Professor of Chemistry, Newark College of Engineering, Newark, N. J. 1943.

BAUER, EDWARD E., Associate Professor of Civil Engineering, University of Illinois, Urbana, Ill. 1936.

BAUER, F. S., Professor and Head, Dept. of Engineering Drawing and Machine Design, University of Colorado, Boulder, Colo. 1914.

BAUER, GEORGE C., Stress Analyst, Westinghouse Electric Corp., Sunnyvale, Calif. 1941.

BAUER, ROBERT E., Assistant Professor in Physics and Electronics, U. S. Naval Postgraduate School, Annapolis, Md. 1949.

BAUER, WM. M., Associate Professor of Electronics Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1933.

BAUGH, ROBERT L., Instructor in Electrical Engineering, Colorado School of Mines, Golden, Colo. 1950.

BAUM, HARRY, Professor of Electrical Engineering, College of the City of New York, New York City. 1927.

BAUMEISTER, THEODORE, Professor of Mechanical Engineering, Columbia University, New York City. 1935.

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BAXTER, ROBERT A., Professor of Chemistry and Gas Engineering, Colorado School of Mines, Golden, Colo. 1925.

BAYER, BRUCE M., Associate Professor of Mechanical Engineering, Vanderbilt University, Nashville, Tenn. 1949.

BAYLOR, JAMES E., Assistant Professor of Mechanical Engineering, University of Denver, Denver, Colo. 1943.

BAYNE, JAMES W., Instructor in Mechanical Engineering, University of Illinois, Urbana, Ill. 1947.

BAZANT, ZDENEK J., Associate Professor of Civil Engineering, Technical University of Prague, Praha, II, Karlovo nam, 17, Czechoslovakia. 1947.

BEACH, HARRY L., Assistant Professor and Head, Dept. of Drafting and Design, Hillyer College, Hartford, Conn. 1946.

BEACH, ROBIN, Consulting Engineer, Robin Beach Engineers Associated, Brooklyn 2, N. Y. 1917.

BEACH, R. KENNETH, Assistant Professor of Electrical Engineering, University of Wyoming, Laramie, Wyo. 1946.

BEAKLEY, GEORGE C., Associate Professor of Mechanical Engineering, Tarleton State College, Stephenville, Texas. 1948.

BEAL, GEORGE M., Professor and Head, Dept. of Architecture, University of Kansas, Lawrence, Kans. 1935.

BEAM, ROBERT E., Associate Professor of Electrical Engineering, Northwestern University, Evanston, Ill. 1942.

BEAM, WALTER R., Instructor in Electrical Engineering, University of Maryland, College Park, Md. 1949.

BEANE, JOHN A., Professor of Mechanics and Head, Dept. of Drawing, Mechanics, and Design, University of Buffalo, Buffalo, N. Y. (Also, Dean, Millard Fillmore College, the evening and extension division of the University of Buffalo.) 1943.

BEATTIE, WAYNE S., Professor and Head, Dept. of Mechanical Engineering, University of Colorado, Boulder, Colo. 1946.

BEATTY, FRED B., Associate Professor of Electrical Engineering, University of Colorado, Boulder, Colo. 1936.

BEATTY, H. RUSSELL, Administrative Assistant to the President, Professor and Head, Dept. of Administrative Engineering, Pratt Institute, Brooklyn, N. Y. (*Member of Council, 1949–51.*) 1937.

BEATTY, JOHN D., Professor of Industrial Engineering, Pennsylvania Military College, Chester, Pa. 1948.

BEATTY, JOHN M., Associate Professor of Structural Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

BEATTY, KENNETH O., JR., Professor of Chemical Engineering, North Carolina State College, Raleigh, N. C. 1947.

BEAUCHAMP, JAMES M., Assistant Prof. in Mechanical Engineering, Lehigh University, Bethlehem, Pa. 1948.

BEAVER, J. LYNFORD, Professor Emeritus of Electrical Engineering, Lehigh University, Bethlehem, Pa. (Home: R. R. No. 2, Phoenixville, Pa.) *Life member.* 1914.

BEBIE, JULES, Lecturer of Chemical Engineering, Washington University, St. Louis, Mo. 1936.

BECK, LESTER E., Professor of Electrical Engineering, Purdue University, Lafayette, Ind. 1931.

BECK, NIELS C., Dean, Parks Air College, East St. Louis, Ill. 1946.

BECK, VICTOR W., Electrical Engineer, Aero. Test, Mpls.-Honeywell Reg. Co., Minneapolis, Minn. 1948.

BECK, WILLIAM M., Instructor in Engineering, William & Mary, V.P.I., Norfolk, Va. 1946.

BECKEMEYER, HARRY J., Associate Professor of Ceramic Engineering, Iowa State College, Ames, Iowa. 1950.

BECKER, JOHN C., JR., Development Engr., Rocket Physics Dept., Aerojet Engg. Corp., Azusa, Calif. 1947.

BECKER, WILLIAM D., Assistant Professor of Electrical Engineering, University of Maryland, College Park, Md. 1950.

BECKLUND, ORVILLE A., Assistant Professor of Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

BECKMAN, BERTHA, Administrative Assistant, College of Engineering, University of California, Los Angeles, Calif. 1950.

BECKMAN, FRANK S., Assistant Prof. in Mathematics, Pratt Institute, Brooklyn, N. Y. 1947.

BECKWITH, THOMAS G., Professor of Mechanical Engineering, University of Pittsburgh Pittsburgh, Pa. 1944.

BEEBE, GORDON A., Associate Professor of Civil Engineering, South Dakota School of Mines and Technology, Rapid City, S. D. 1945.

BEECHER, MILTON F., Director of Research, Norton Co., Worcester, Mass. 1944.

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BEESE, CHARLES W., Director, Technical Extension Division, Purdue University, Lafayette, Ind. 1938.

BEESON, CARROL M., Associate Professor of Petroleum Engineering, University of Southern California, Los Angeles, Calif.

BEGEMAN, MYRON L., Professor and Head, Dept. of Mechanical Engineering, University of Texas, Austin, Texas. 1937.

BEGG, ROBERT B. H., Professor of Civil Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1927.

BEGGS, JOSEPH S., Assistant Professor of Engineering, University of California, Los Angeles, Calif. 1949.

BEHRENS, ROBERT G., Manager, Associated Technical Publications, Box 11, Williams, Mich. 1935.

BEISLER, WALTER H., Professor and Head, Dept. of Chemical Engineering, University of Florida, Gainesville, Fla. 1936.

BEITLER, SAMUEL R., Professor of Mechanical Engineering, The Ohio State University, Columbus, Ohio. 1926.

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BELL, JOSEPH H., Instructor in Mechanical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1947.

BELL, JULIAN A., Assistant Professor of Engineering, Arlington State College, Arlington, Texas. 1949.

BELL, LAWRANCE F., Instructor in Industrial Engineering, Stanford University, Stanford, Calif. 1948.

BELL, NORMAN, Assistant Professor of Chemical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

BELL, NORMAN R., Assistant Professor of Electrical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1943.

BELZ, CHARLES J., Professor and Head of Civil Engineering, University of Dayton, Dayton, Ohio. 1929.

BENDER, HARRY A., Associate Professor of Mathematics, Rhode Island State College, Kingston, R. I. 1945.

BENECKE, ROBERT O., Instructor in Mechanical Engineering, Iowa State College, Ames, Iowa. 1947.

BENEDICT, OTIS, JR., Associate Professor of Shop Practice, Pratt Institute, Brooklyn, N. Y. 1929.

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BENEDICT, R. RALPH, Professor of Electrical Engineering, University of Wisconsin, Madison, Wis. 1939.

BENISH, ANTHONY A., Assistant Professor of Civil Engineering, University of Texas, Austin, Texas. 1947.

BENJAMIN, CURTIS G., President, McGraw-Hill Book Co., Inc., 330 W. 42d St., New York 18, N. Y. 1933.

BENJAMIN, IRWIN A., Instructor in Civil Engineering, Kansas State College, Manhattan, Kans. 1948.

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BENNETT, CLARENCE E., Professor and Head, Dept. of Physics, University of Maine, Orono, Me. (*Member of Council, 1949–51.*) 1939.

BENNETT, DONALD M., Professor of Physics, University of Louisville, Louisville, Ky. 1946.

BENNETT, EDW., Professor Emeritus of Electrical Engineering, University of Wisconsin, Madison, Wis. (*Member of Council, 1923–26; Vice President, 1929–30.*) 1909.

BENNETT, J. GARDNER, Professor of Civil Engineering, Universtiy of Hawaii, Honolulu, T. H. 1932.

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BENNETT, LESTER L., Instructor in Radio Mechanics, U. S. Air Force Technical School, Belleville, Ill. 1950.

BENNETT, RALPH D., Technical Director, Naval Ordnance Laboratory, White Oak, Md. 1937.

BENSMAN, CLARENCE H., Head Electrical Technology, New York State Institute of Applied Arts and Sciences, Buffalo, N. Y. 1948.

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BENSON, HENRY W., Head, Dept. of Applied Physics, Wentworth Institute, Boston, Mass. 1945.

BENSON, LEONARD R., Assistant Professor of Mechanical Engineering, University of Texas, Austin, Texas. 1939.

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BERESFORD, HOBART, Professor and Head, Department of Agricultural Engineering, Iowa State College, Ames, Iowa. 1929.

BERESKIN, ALEXANDER B., Associate Professor of Electrical Engineering, University of Cincinnati, Cincinnati 21, Ohio. 1948.

BERG, LLOYD, Professor and Head, Dept. of Chemical Engineering, Montana State College, Bozeman, Mont. 1946.

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BERGEN, MARTIN J., Chief Draftsman, E. I. du Pont de Nemours & Co., Inc., Newark, Del. 1947.

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BERGETHON, OVARD M., Instructor in Mechanical Engineering, Norwich University, Northfield, Vt. 1948.

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BERGREN, ERNEST L., Assistant Professor of Mechanical Engineering, Montana State College, Bozeman, Mont. 1948.

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BERGSETH, FREDERICK R., Assistant Professor of Electrical Engineering, University of Washington, Seattle, Wash. 1950.

BERNARD ALFRED, BROTHER, Professor and Head, Dept. of Mathematics, Manhattan College, New York, N. Y. 1947.

BERNE-ALLEN, ALLAN, Professor and Head of Chemical Engineering, Clemson Agricultural College, Clemson, S. C. 1949.

BERNIER, JEAN C., Professor and Head, Dept. of Electrical Engineering, Ecole Polytechnique, Montreal, Canada. 1942.

BERNINGER, CLIFFORD F., Instructor in Physics, Pratt Institute, Brooklyn, N. Y. 1947.

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BERRY, C. HAROLD, Gordon McKay Professor of Engineering Science, Harvard University, Cambridge, Mass. 1928.

BERRYMAN, LLOYD G., Associate Professor of Mechanical Engineering, A. & M. College of Texas, College Station, Texas. 1939.

BERTSCH, CARL V., Assistant Professor of Physics, Newark College of Engineering, Newark, N. J. 1947.

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BESLEY, HARRY E., Professor and Head, Dept. of Agricultural Engineering, Rutgers University, New Brunswick, N. J. 1947.

BESSEY, WM. H., Assistant Professor of Physics, Carnegie Institute of Technology, Pittsburgh, Pa. 1940.

BEST, HERBERT W., Associate Professor of Mechanical Engineering, Yale University, New Haven, Conn. 1935.

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BIAGI, JOSEPH M., Assistant Professor of Civil Engineering, Marquette University, Milwaukee, Wis. 1950.

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BIESELE, RUDOLPH L., JR., Professor and Head, Dept. of Electrical Engineering, Southern Methodist University, Dallas, Texas. 1946.

BIGELOW, ARTHUR L., Assistant Professor of Graphics, Princeton University, Princeton, N. J. 1948.

BIGELOW, ROYAL G., Associate Professor of Industrial Engineering, Northwestern University, Evanston, Ill. 1943.

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BIRNIE, HANS F., Assistant Professor of Mechanical Engineering, Stanford University, Calif. 1950.

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BLACK, PAUL H., Professor and Head of Machine Design, Ohio University, Athens, Ohio. 1936.

BLACK, ROBERT M., Lecturer, Department of Mining Engineering, University of Pittsburgh (Retired), Pittsburgh, Pa. *Life Member.* 1912.

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BLACK, WINSTON E., Associate Professor of Theoretical and Applied Mechanics, University of Illinois, Urbana, Ill. 1947.

BLACKBURN, HENRY W., Associate Professor of Mechanical Engineering, Syracuse University, Syracuse, N. Y. 1928.

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BLAISDELL, A. H., Associate Professor of Mechanical Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1921.

BLAKE, COLIN D., Instructor in Mechanical Drawing, Louisiana State University, Baton Rouge, La. 1948.

BLAKELY, MATTHEW L., Assistant Professor of Civil Engineering, University of Connecticut, Storrs, Conn. 1949.

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BLAKESLEE, T. R., Instructor in Mechanical Engineering, Lafayette College, Easton, Pa. 1949.

BLAKESTAD, ROBERT B., Owner, Falconi Electrical Service, Roswell, N. M. 1949.

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BLANCHARD, FRANCIS J., JR., Assistant Professor of Chemical Engineering, Villanova College, Villanova, Pa. 1948.

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BLANCHE, JOHN G., JR., Assistant Professor of Mechanical Engineering, Louisiana State University, Baton Rouge, La. 1948.

BLASCHKE, ALFRED C., Lecturer in Engineering, University of California, Los Angeles, Calif. 1950.

BLEEKMAN, GEORGE M., Assistant Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. 1943.

BLEIKAMP, ROBERT C., Instructor in Engineering Drawing, Washington University, St. Louis 5, Mo. 1948.

BLESSEY, WALTER E., Associate Professor of Civil Engineering, Tulane University, New Orleans, La. 1949.

BLICKENSDERFER, HERMAN, Professor and Head, Dept. of Civil Engineering, Bradley University, Peoria, Ill. 1942.

BLIESNER, GUSTOV H., Electrical Engineer, Bureau of Reclamation, U. S. Dept. of Interior, Blythe, Calif. 1947.

BLISS, GILBERT B., Head, Electronic Research & Devel. Dept., Model Engg. Mfg. Co., Huntington, Ind. 1948.

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BOAST, WARREN R., Professor of Electrical Engineering, Iowa State College, Ames, Iowa. 1940.

BOCHMER, ANDREW P., Associate Professor of Mechanical Engineering, State University of Iowa, Iowa City, Iowa. 1948.

BOCK, ARTHUR E., Associate Professor of Marine Engineering, U. S. Naval Academy, Annapolis, Md. 1944.

BODGER, W. KENNETH, Associate Professor of Mechanical Engineering, Case Institute of Technology, Cleveland, Ohio. 1949.

BODNAR, JOHN, Director, Division of Engineering, University of Bridgeport, Bridgeport, Conn. 1948.

BOECK, RALPH E., Associate Professor of Civil Engineering, Marquette University, Milwaukee, Wis. 1947.

BOEHMER, ANDREW P., Associate Professor of Mechanical Engineering, State University of Iowa, Iowa City, Iowa. 1948.

BOEHMER, HERBERT, Associate Professor of General Engineering, University of Washington, Seattle, Wash. 1943.

BOEHNE, EUGENE W., Professor of Electrical Engineering, Director of Cooperative Course, Massachusetts Institute of Technology, Cambridge, Mass. 1947.

BOELTER, LLEWELLYN M. K., Chairman, Dept. of Engineering, University of California, Los Angeles, Calif. 1931.

BOGARD, BEN T., Professor of Mechanical Engineering, Louisiana Polytechnic Institute, Ruston, La. 1939.

BOGARDUS, FREDERICK J., Instructor in Mechanical Engineering, Purdue University, Lafayette, Ind. 1949.

BOGARDUS, ROBERT K., Assistant Professor of General Engineering, Rutgers University, New Brunswick, N. J. 1948.

BOGEMA, MARVIN, Associate Professor of Civil Engineering, Cornell University, Ithaca, N. Y. 1943.

BOGGS, ROBERT W., Assistant Manager, General Publicity Dept., Union Carbide and Carbon Co., 30 East 42nd St., New York City. 1945.

BOGLE, FRANK, Associate Professor of Engineering Drawing and Mechanics, Georgia Institute of Technology, Atlanta, Ga. 1948.

BOGNER, IRVING, Instructor in Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1949.

BOGUSLAVSKY, BORIS W., Professor of Architectural Engineering, Georgia Institute of Technology, Atlanta, Ga. 1943.

BOGUCZ, EDWARD A., Instructor in Mechanical Engineering, The Cooper Union, New York, N. Y. 1949.

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BOHLIN, HOWARD G., Professor of Mechanical Drawing, College of the City of New York, New York City. 1935.

BOKENKAMP, HARRY J., Instructor in General Engineering Drawing, University of Illinois, Champaign, Ill. 1949.

BOLDEN, EDGAR L. 1949.

BOLLAY, WILLIAM, Technical Director, Aerophysics Laboratory, North American Aviation, Inc., Pacific Palisades, Calif. 1949.

BOLSTAD, MILO M., Associate Professor of Mechanical Engineering, University of Missouri, Columbia, Mo. 1950.

BOLT, CHARLES D. 1949.

BOLT, JAY A., Associate Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

BOLTON, F. C., President Emeritus of College, A. & M. College of Texas, College Station, Texas. (*Member of Council, 1919–22; Vice President, 1937–38.*) 1910.

BOLTON, JOHN H., Bulletin Editor, Engineering Experiment Station, Iowa State College, Ames, Iowa. 1949.

BOLZ, HAROLD A., Professor of Industrial Engineering and Head, Dept. of General Engineering, Purdue University, Lafayette, Ind. (*Member of Council, 1950–52.*) 1938.

BOLZ, RAY E., Associate Professor of Aeronautics, Case Institute of Technology, Cleveland, Ohio. 1948.

BONAR, ALBERT J., Asst. Prof. in Civil Engineering, University of Houston, Houston, Texas. 1950.

BOND, ROLAND H., Instructor in Chemical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

BONE, ALEXANDER J., Associate Professor of Highway and Airport Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1944.

BONE, HAROLD K., Assistant Professor of Engineering Drawing, University of Oklahoma, Norman, Okla. 1947.

BONILLA, CHARLES F., Professor of Chemical Engineering, Columbia University, New York, N. Y. 1944.

BONN, GEORGE S., Librarian, Technological Institute, Northwestern University, Evanston, Ill. 1949.

BONN, ROBERT, Instructor in Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

BONNEY, CHARLES H., Associate Professor of Civil Engineering, Vanderbilt University, Nashville, Tenn. 1946.

BOOHER, EDWARD E., Vice President, McGraw-Hill Book Co., 330 W. 42nd St., New York 18, N. Y. 1939.

BOOKER, LEONARD, Instructor in Electrical Engineering, Detroit Institute of Technology, Detroit 1, Mich. 1948.

BOOMSLITER, G. P., Lecturer of Mechanics, University of Florida, Gainesville, Fla. (*Member of Council, 1943–47.*) 1912.

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BORESI, ARTHUR P., Instructor in Mechanics, University of Illinois, Urbana, Ill. 1950.

BORG, SIDNEY F., Assistant Professor of Aeronautical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1944.

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BORRI, ROBERT, Assistant Professor of General Engineering Drawing, University of Illinois, Urbana, Ill. 1947.

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BOSS, WILLIAM, Professor Emeritus, Agricultural Engineering, University of Minnesota, St. Paul, Minn. 1925.

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BOUCHARD, HARRY, Professor of Geodesy and Surveying, University of Michigan, Ann Arbor, Mich. 1921.

BOUCHER, RAYMOND, Professor and Head, Dept. of Hydraulic Engineering, Ecole Polytechnique, Montreal, Canada. 1945.

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BOURNS, CHARLES T. (*On Leave:* Brazil). 1949.

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BOWERSOX, E. RALPH, Associate Professor of Mathematics and Mechanics, Chicago Technical College, Chicago, Ill. 1945.

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BOWLES, EDWARD L., Professor of Electrical Communications, Massachusetts Institute of Technology, Cambridge, Mass. 1931.

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BOWMAN, HENRY T., Assistant Professor of Mechanical Engineering, University of Pennsylvania, Philadelphia, Pa. 1929.

BOWMAN, JAMES H., Professor of Electrical Engineering, Purdue University, Lafayette, Ind. 1931.

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BRAY, THERAN H., Assistant Professor of Mathematics, Lawrence Institute of Technology, Highland Park, Mich. 1948.

BRAY, WILLIAM G., Instructor in Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1948.

BRAZDA, LUMIR P., Chairman, Dept. of Architecture and Engineering, Wilson Junior College, 5950 Talman Ave., Chicago 29, Ill. 1943.

BREAULT, E. EDWARD, Assistant Technical Personnel Director, Ingersoll-Rand Company, New York, N. Y. 1949.

BRECKENRIDGE, H. K., Vice-President, West Penn Power Company, Pittsburgh, Pa. 1950.

BRECKENRIDGE, RICHARD H., Instructor in Industrial Engineering, Engineering Experiment Station, Kansas State College, Manhattan, Kans. 1949.

BRECKENRIDGE, ROBERT W., Assistant Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1934.

BREDEKAMP, MARRIOTT W., Associate Professor of Chemical Engineering, Michigan College of M. & T., Houghton, Mich. 1946.

BREED, CHARLES B., Professor Emeritus, Department of Civil and Sanitary Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1904.

BREESE, EDWARD Y., 2461 Swanson Ave., Coconut Grove, Miami 33, Fla. 1947.

BREMER, ROY, Assistant Professor of Sanitary Engineering, University of Detroit, Detroit 21, Mich. 1948.

BRENEMAN, JOHN W., Professor of Engineering Mechanics, The Pennsylvania State College, State College, Pa. 1942.

BRENKERT, KARL, JR., 160 Heather Lane, Palo Alto, Calif. 1950.

BRENNAN, CHARLES W., Assistant to the Dean, College of Engineering, University of Alabama, University, Ala. 1949.

BRENNECKE, CORNELUS G., Professor and Head, Dept. of Electrical Engineering, North Carolina State College, Raleigh, N. C. (*Member of Council, 1947–49.*) 1936.

BRENNER, ROBERT, Associate in Engineering, University of California, Los Angeles, Calif. 1950.

BRENTON, WALTER, Supt. of Production, Portland General Electric Co., Portland, Ore. 1934.

Bresler, Boris, Assistant Professor of Civil Engineering, University of California, Berkeley, Calif. 1946.

Bretscher, Erwin R., Assistant Professor of Civil Engineering, University of Illinois, Urbana, Ill. 1947.

Brewer, John M., Instructor in Humanities, Missouri School of Mines, Rolla, Mo. 1949.

Brewington, Gail P., Professor and Head, Dept. of Physics, Lawrence Institute of Technology, Detroit, Mich. 1941.

Brewster, Maurice R., Professor of Industrial Management, Georgia Institute of Technology, Atlanta, Ga. 1947.

Brick, Robert M., Professor and Director, Dept. of Metallurgical Engineering, University of Pennsylvania, Philadelphia, Pa. 1943.

Brickler, Alexander J., Test Engineer, Signal Corps Engineering Labs., Ft. Monmouth, N. J. 1943.

Bridger, G. L., Professor and Head, Dept. of Chemical and Mining Engineering, Iowa State College, Ames, Iowa. 1948.

Bridgman, Donald S., Staff Assistant in Personnel Relations, American Tel. & Tel. Co., 195 Broadway, New York City. 1939.

Brielmaier, Alphonse A., Professor of Civil Engineering, Washington University, St. Louis, Mo. 1950.

Brightbill, Linwood J., Assistant Professor of Architecture, University of Washington, Seattle, Wash. 1950.

Brierley, John R., Executive Alumni Secretary, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1936.

Bright, B. Brooke, Personnel Supervisor, Industrial Relations, The Atlantic Refining Company, Philadelphia, Pa. 1949.

Bright, James R., Editor, *Modern Materials Handling*, 795 Boylston St., Boston 16, Mass. 1948.

Bright, Richard, Associate Professor of Chemical Engineering, North Carolina State College, Raleigh, N. C. 1942.

Bright, R. Louis, Instructor in Electrical Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1949.

Brille, Bernard J., Instructor in Engineering Drawing, Wright Junior College, Chicago, Ill. 1947.

Brillinger, C. J., Director of Training and Education, York Corporation, York, Pa. 1949.

Brinda, John, Instructor in Electrical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1948.

Brinegar, William V., Assistant Professor of Civil Engineering, University of Utah, Salt Lake City, Utah. 1949.

Brinker, Russell C., Professor of Civil Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1931.

Brinker, William E., Jr., Assistant Chief Engineer, Engineering Department, Corn Products Refining Co., 201 N. Wells St., Chicago 6, Ill. 1939.

Broadston, James A., Propulsion Tests, Aerophysics Lab., North American Aviation, Inc., and Chief Engineer, Surface Checking Gage Co., Los Angeles, Calif. 1945.

Brock, Chelsey L., Jr., Instructor in Chemical Engineering, University of Houston, Houston, Texas. 1950.

Brock, Eugene H., Chief Engineer, Planning Division, University of California Scientific Laboratories, Los Alamos, N. M. 1942.

Brock, John E., Associate Professor of Mechanics, Washington University, St. Louis, Mo. 1943.

Brodt, Ernest M., Head, Construction Industries Course, Ohio Mechanics Institute, Cincinnati, Ohio. 1950.

Broghamer, Edward L., Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1947.

Bromberg, Robert, Associate in Engineering, University of California, Los Angeles, Calif. 1950.

Bromilow, Frank, Associate Professor of Civil Engineering, University of Florida, Gainesville, Fla. 1939.

Bronwell, Arthur B., Professor of Electrical Engineering, Northwestern University, Evanston, Ill. (*Secretary, 1947–; Member of Council, 1946–.*) 1937.

Brooke, W. E., Head of Department of Mathematics and Mechanics, University of Minnesota (Retired), Minneapolis, Minn. (*Member of Council, 1924–27.*) *Life member.* 1902.

Brookes, James G., Assistant Professor of Mechanical Engineering, Lawrence Institute of Technology, Detroit, Mich. 1947.

Brookes, John F., Professor of Civil Engineering, University of Oklahoma, Norman, Okla. 1947.

Brooking, Walter J., 710 Magie St., Elizabeth 3, N. J. 1948.

Brooks, Frederick E., Associate Professor of Electrical Engineering, University of Texas, Austin, Texas. 1948.

Brooks, J. Ansel, Professor Emeritus, Newark College of Engineering, Newark, N. J. (Home: P. O. Box 587, Madison, Conn.) 1904.

Brouillet, Ignace, Dean, Ecole Polytechnique, Montreal, Canada. 1945.

Brown, Arthur S., Associate Professor of Electrical Engineering, University of Arkansas, Fayetteville, Ark. 1930.

Brown, Aubrey I., Professor and Chairman, Dept. of Mechanical Engineering, The Ohio State University, Columbus, O. 1914.

Brown, Bryan L., Associate Professor of Engineering Drawing and Mechanics, Georgia Institute of Technology, Atlanta, Ga. 1948.

Brown, Carl W., Chief Engineer, Missouri Highway Dept., State Highway Commission, Jefferson City, Mo. 1945.

Brown, Cleo A., Chairman, English Department, General Motors Institute, Flint, Mich. (*Member of Council, 1948–50.*) 1931.

Brown, Dale H., Assistant Professor of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1948.

Brown, Earl I., Assistant Professor of Civil Engineering, Georgia Institute of Technology, Atlanta, Ga. 1948.

Brown, Edward C., Professor of Mathematics, Worcester Polytechnic Institute, Worcester, Mass. 1922.

Brown, Edward S., Professor of Civil Engineering, Thayer School of Engineering, Dartmouth College, Hanover, N. H. 1937.

Brown, Edmond J., Assistant Professor of Physics, North Carolina State College, Raleigh, N. C. 1948.

Brown, F. L., Professor of Applied Mechanics, University of Kansas, Lawrence, Kans. 1915.

Brown, Floyd V., (on leave 1950–51 for Graduate work at Columbia University) Assistant Professor of Civil Engineering, Clarkson College of Technology, Potsdam, N. Y. 1948.

Brown, Francis W., Assistant Professor of Chemistry, Clarkson College of Technology, Potsdam, N. Y. 1950.

Brown, Frank N. M., Professor and Head, Dept. of Aeronautical Engineering, University of Notre Dame, Notre Dame, Ind. 1939.

Brown, Frederick L., Professor of Physics, University of Virginia, University, Va. 1926.

Brown, George G., Professor and Chairman, Dept. of Chemical and Metallurgical Engineering, University of Michigan, Ann Arbor, Mich. 1939.

BROWN, GORDON S., Professor of Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1946.

BROWN, GRAHAM B., 144 Moncure Dr., Alexandria, Va. 1947.

BROWN, HERBERT K., Associate Professor of Mechanical Engineering & Director, Engineering Graduate Study, Northeastern University, Boston, Mass. 1948.

BROWN, IRA D., Industrial Engineer, Florida State Improvement Commission, Tallahassee, Fla. 1950.

BROWN, JAMES H., Assistant Professor of Engineering, University of Omaha, Omaha, Nebr. 1949.

BROWN, JAMES S., Associate Professor of Mechanical Engineering, Tennessee Polytechnic Institute, Cookeville, Tenn. 1947.

BROWN, JESSE C., Associate Professor of Economics and Industrial Management, Georgia Institute of Technology, Atlanta, Ga. 1944.

BROWN, JOSEPH M., Instructor in Mechanical Engineering, Purdue University, Lafayette, Ind. 1949.

BROWN, LABRY, Head of Civil Engineering, New Mexico College of A. & M. Arts, State College, N. M. 1947.

BROWN, LELAND H., Associate Professor of Electrical Engineering, Stanford University, Stanford, Calif. 1950.

BROWN, RALPH E., Professor of Mechanical Engineering, Rhode Island State College, Kingston, R. I. 1924.

BROWN, ROBERT Q., Professor of General Engineering, University of Washington, Seattle, Wash. 1941.

BROWN, ROBERT R., Professor and Head, Electrical Engineering Dept., University of Massachusetts, Amherst, Mass. 1949.

BROWN, ROBERT T., Administrator, Development Dept., Goodyear Tire and Rubber Co., Akron 16, Ohio. 1948.

BROWN, ROY T., Associate Professor of Civil Engineering, University of Tennessee, Knoxville, Tenn. 1937.

BROWN, STANLEY R., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

BROWN, THEODORE C., Associate Professor of Mechanical Engineering, North Carolina State College, Raleigh, N. C. 1937.

BROWN, WALTER F., Professor and Head, Dept. of Electrical Engineering, University of Toledo, Toledo, Ohio. 1941.

BROWN, WILLIAM J., Instructor in Mechanics, University of Delaware, Newark, Del. 1948.

BROWNELL, THOMAS C., Assistant Professor of Engineering Drawing, University of Miami, Coral Gables, Fla. 1947.

BROXON, JAMES W., Professor of Physics, University of Colorado, Boulder, Colo. 1945.

BRUBAKER, WM. F., Associate Professor of Engineering Drawing and Machine Design, University of Colorado, Boulder, Colo. 1924.

BRUHN, ELMER F., Head, School of Aeronautics, Purdue University, Lafayette, Ind. 1943.

BRUNE, ARTHUR W., Mineral Engineering Dept., Pennsylvania State College, State College, Pa. 1949.

BRUNIG, MORTON P., Assistant Professor of Agricultural Engineering, University of Nebraska, Lincoln, Nebr. 1946.

BRUNKEN, CARROLL O., Instructor in Civil Engineering, University of Nebraska, Lincoln, Neb. 1949.

BRUNO, EDWIN C., Architect & Engineer, 1033 Glenview Rd., Glenview, Ill. 1947.

BRUSH, EDWARD E., Head, Aeronautical Engineering Dept., Texas A. & M. College, College Station, Texas. 1949.

BRUST, ALVIN W., Associate Professor of Civil Engineering, Washington University, St. Louis, Mo. 1941.

BRYAN, COLGAN H., Professor, Dept. of Aeronautical Engineering, University of Alabama, University, Ala. 1943.

BRYAN, GEORGE S., Dean of the Faculty, International Correspondence Schools, Scranton, Pa. 1949.

BRYANS, ANDREW E., Assistant Professor of Mathematics, Adelphi College, Garden City, N. Y. 1944.

BRYANS, WILLIAM R., Professor Emeritus of Mechanics, New York University, New York, N. Y. *Life member.* 1908.

BRYANT, DAVID F., Head, Dept. of Drafting, Detroit Institute of Technology, Detroit, Mich. 1948.

BRYANT, JOHN M., Professor Emeritus of Electrical Engineering, 1606 Ridgeview Ave., Lancaster, Pa. (*Member of Council, 1927–30.*) 1910.

BRYANT, LYNWOOD S., Associate Professor of English, Massachusetts Institute of Technology, Cambridge, Mass. 1948.

BRYANT, NELSON H., Assistant Professor of Electrical Engineering, Cornell University, Ithaca, N. Y. 1950.

BUBB, FRANK W., Professor and Head, Dept. of Mathematics, Washington University, St. Louis, Mo. 1938.

BUCH, WALTER E., Instructor in Chemical and Metallurgical Engineering, University of Cincinnati, Cincinnati, Ohio. 1949.

BUCHAN, ALEXANDER M., Associate Professor of English, Washington University, St. Louis, Mo. 1939.

BUCHANAN, CHESTER H., Associate Professor of Electrical Engineering, Union College, Schenectady, N. Y. 1947.

BUCHANAN, JESSE E., President, University of Idaho, Moscow, Idaho. 1927.

BUCHANAN, WALTER D., Assistant Professor of Drawing, University of Tennessee, Knoxville, Tenn. 1949.

BUCHBINDER, HAROLD G., Instructor in Mechanical Engineering, Northeastern University, Boston 15, Mass. 1947.

BUCHBINDER, MELVIN M., Instructor in Electrical Engineering, Cooper Union, New York, N. Y. 1948.

BUCHER, PAUL, Professor of Mechanical Engineering, The Ohio State University, Columbus, Ohio. 1920.

BUCHTA, J. WILLIAM, Chairman, Dept. of Physics, University of Minnesota, Minneapolis, Minn. 1947.

BUCK, A. MORRIS, Transportation Consultant, P. O. Box 472, Pine Beach, N. J. *Life member.* 1910.

BUCK, CARSON P., Associate Professor of Engineering Drawing, University of Notre Dame, Notre Dame, Ind. 1939.

BUCK, N. LEWIS, Professor and Head, Dept. of Mechanical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1945.

BUCKINGHAM, EARLE, Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1932.

BUCKLEY, ELERY F., Instructor in Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1949.

BUCKY, PHILIP B., Professor of Mining and Executive Officer, Columbia University, New York City. 1940.

BUDDE, FRANCIS J., Assistant Director, Coordination and Placement, University of Detroit, Detroit, Mich. 1947.

BUDENHOLZER, ROLAND A., Professor of Mechanical Engineering, Illinois Institute of Technology, Chicago, Ill. 1941.

BUDINGTON, WILLIAM S., Engineering Librarian, Columbia University, New York, N. Y. 1949.

BUECHE, HARRY S., Associate Professor of Electrical Engineering, University of Delaware, Newark, Del. 1932.

BUEFFEL, BERNARD H., Assistant Professor of Electrical Engineering, Bucknell University, Lewisburg, Pa. 1948.

BUESCHER, VICTOR A., Technical and Office Placement Manager, Thompson Products, Inc., Cleveland, Ohio. 1949.

BULLARD, JAMES A., Professor and Head, Dept. of Mechanics and Mathematics, University of Vermont, Burlington, Vt. 1927.

BULLEN, CHARLES V., Professor and Head, Department of Electrical Engineering, Texas Technological College, Lubbock, Texas. 1934.

BULLEN, PAUL W., Assistant Professor of Drawing and Descriptive Geometry, University of Minnesota, Minneapolis, Minn. 1945.

BULLINGER, CLARENCE E., Professor and Head, Dept. of Industrial Engineering, The Pennsylvania State College, State College, Pa. 1925.

BULLOCK, REX G., Instructor in Engineering, University of Houston, Houston, Texas. 1949.

BULLOCK, ROBERT C., Professor of Mathematics, North Carolina State College, Raleigh, N. C. 1937.

BUNKER, ALBION H., Architectural Engineer, Abbott Labs., North Chicago, Ill. 1943.

BUNKER, JOHN W. M., Dean, Graduate School, Massachusetts Institute of Technology, Cambridge, Mass. 1940.

BUNTING, JOSEPH W., Professor and Head, Dept. of Mechanical Engineering, University of Cincinnati, Cincinnati, Ohio. 1946.

BURCHARD, JOHN E., Dean of Humanities, Massachusetts Institute of Technology, Cambridge, Mass. 1949.

BURCHFIELD, LEONARD R., Civil Laboratory Instructor, Tri-State College, Angola, Ind. 1948.

BURDELL, EDWIN S., Director, Cooper Union, New York 3, N. Y. (*Member of Council, 1946–49.*) 1937.

BURDEN, HARRY P., Professor of Sanitary Engineering and Dean, Engineering School, Tufts College, Medford, Mass. 1921.

BURDETT, ROY W., Professor and Head, Dept. of Engineering, Arlington State College, Arlington, Texas. 1943.

BURDICK, GERALD F., Head of Industrial Mechanics, Alfred University, Alfred, N. Y. 1948.

BUREAU, E. A., Head, Dept. of Electrical Engineering, University of Kentucky, Lexington, Ky. 1923.

BURG, WALTER V., Professor and Head, Dept. of Chemical Engineering, University of Toledo, Toledo, Ohio. 1944.

BURGESS, ARCHIE R., Acting Professor of Management Engineering, Texas A. & M. College, College Station, Texas. 1948.

BURGESS, JOHN C., Teaching Assistant, Civil Engineering Dept., Stanford University, Stanford, Calif. 1947.

BURHEN, RAYMOND, Associate Professor of Industrial Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1948.

BURINGTON, RICHARD S., Director, Evaluation and Analysis Group, Chief Mathematician, Res. & Dev. Div., Bureau of Ordnance, Navy Dept., Washington, D. C. 1934.

BURKE, MERRITT, Personnel Department, E. I. du Pont de Nemours and Co., Wilmington, Del. 1949.

BURKLAND, CARL E., Professor of English, University of Michigan, Ann Arbor, Mich. 1940.

BURLAGE, HENRY, Instructor in Aeronautical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

BURMISTER, DONALD M., Professor of Civil Engineering, Columbia University, New York City. 1935.

BURNETT, JAMES R., Instructor in Engineering Drawing, Michigan State College, East Lansing, Mich. 1948.

BURNS, CHARLES I. 1949.

BURNS, FRED P., Tutor in Mechanical Engineering, College of the City of New York, New York City. 1947.

BURNS, STANLEY S., Assistant Professor of Electrical Engineering, Newark College of Engineering, Newark, N. J. 1950.

BURR, ARTHUR H., Professor and Head, Dept. of Machine Design, Cornell University, Ithaca, N. Y. 1941.

BURRILL, CHARLES M., Assistant to the Vice President in charge of Research, RCA Laboratories, Princeton, N. J. 1948.

BURRIS, LEROY, Assistant Professor of Industrial Engineering, University of Arkansas, Fayetteville, Ark. 1948.

BURROUGHS, FREDERICK D., Educational Director, Utilities Engineering Institute, 1314 Belden Ave., Chicago, Ill. 1943.

BURROUGHS, HOWARD A., Associate Professor of Electrical Engineering, Michigan College of M. & T., Houghton, Mich. (On Leave: 1914 Sheridan Rd., Evanston, Ill.) 1947.

BURROUGHS, KENNETH L., Vice President, Aeronautical University, Inc., Chicago, Ill. 1947.

BURROWS, CHARLES R., Director, School of Electrical Engineering, Cornell University, Ithaca, N. Y. 1946.

BURSLEY, JOSEPH A., Professor Emeritus of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1910.

BURTON, WENDEL W., Employment Manager, Technical and Sales Personnel, Minnesota Mining & Mfg. Co., 900 Fauquier Ave., St. Paul, Minn. 1947.

BUSH, ALBERT F., Assistant Professor of Engineering, University of California, Los Angeles, Calif. 1949.

BUSH, GEORGE F. 1944.

BUSH, VANNEVAR, President, Carnegie Institution of Washington, D. C. 1923.

BUSH-BROWN, HAROLD, Professor and Director, School of Architecture, Georgia Institute of Technology, Atlanta, Ga. 1949.

BUSSARD, GORDON L., Personnel Division, E. I. du Pont de Nemours & Co., Wilmington, Del. 1946.

BUSSELL, WILLIAM H., Assistant in Research (Mechanical Engineering Dept.), University of Florida, Gainesville, Fla. 1949.

BUTKUS, JOHN, Instructor in Civil Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.

BUTLER, G. M., Dean, College of Engineering, University of Arizona, Tucson, Ariz. (*Member of Council, 1924–27.*) 1916.

BUTLER, HOWARD W., Assistant Professor of Mechanical Engineering, University of Connecticut, Storrs, Conn. 1948.

BUTLER, JOE B., Professor of Civil Engineering, Missouri School of Mines and Metallurgy, Rolla, Mo. 1922.

BUTLER, JOHN H., 125 So. Highland Ave., Winchester, Ky. 1935.

BUTLER, STANLEY S., Instructor in General Engineering, University of Southern California, Los Angeles, Calif. 1949.

BUTTERFIELD, ROBERT E., Associate Dean, Engineering School, Robert College, Istanbul, Turkey. 1947.

BUTTERFIELD, THOMAS E., Emeritus Professor of Mechanical Engineering, Lehigh University, Bethlehem, Pa. 1920.

BUTTS, ALLISON, Professor of Electrometallurgy, Lehigh University, Bethlehem, Pa. 1934.

BYCK, LAWRENCE C., JR., Instructor in Physics, Bridgeport Engineering Institute, Bridgeport, Conn. 1950.

BYERLAY, HENRY L., Branch Chief, Instrumentation, Detroit Tank Arsenal, Centerline, Mich. 1943.

BYERLY, RICHARD T., Instructor in Electrical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

BYERS, NORMAN R., Instructor in Machine Design, 200 N. Creek, Bartlesville, Okla. 1947.

BYRD, HARRY C., President, University of Maryland, College Park, Md. 1949.

BYRNE, WILLIAM E., Professor of Mathematics, Virginia Military Institute, Lexington, Va. 1945.

BYRNES, JOHN F., Professor and Chairman, Dept. of Industrial Management, Boston College, Boston, Mass. (Home: 3 Langdon Square, Cambridge 38, Mass.) 1946.

CADDESS, JAMES H., Assistant Professor of Mechanical Engineering, A. & M. College of Texas, College Station, Texas. 1948.

CADE, C. MARSHALL, Professor of Civil Engineering, Michigan State College, East Lansing, Mich. 1937.

CADWELL, JAMES J., Assistant Professor of Civil Engineering, University of Wisconsin, Madison, Wis. 1948.

CAGE, JOHN M., Professor of Electrical Engineering, Purdue University, Lafayette, Ind. 1947.

CAGNONI, G. JAMES, Acting Assistant Professor, Newark College of Engineering, Newark, N. J. 1948.

CALABRESE, GIUSEPPE O., Professor of Electrical Engineering, New York University, New York, N. Y. 1948.

CALDIERO, FRANK M., Instructor in Humanities, The Cooper Union, New York, N. Y. 1949.

CALDWELL, FRANK C., Professor Emeritus of Electrical Engineering, The Ohio State University, Columbus, Ohio. (*Member of Council, 1905–08.*) *Life member.* 1897.

CALHOON, FLOYD N., Associate Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1940.

CALHOUN, JOHN C., JR., Chief, Pet. & Nat. Gas Eng. Div., Pennsylvania State College, State College, Pa. 1949.

CALLAHAN, HAROLD R., Educational Director, Capitol Radio Engineering Institute, Washington, D. C. 1945.

CALLEN, ALFRED C., Professor and Head, Department of Mining Engineering, Lehigh University, Bethlehem, Pa. (*Member of Council, 1941–44.*) 1926.

CALVERT, JAY H., Industrial Relations Manager, Harry Ferguson, Inc., Detroit, Mich. 1949.

CALVERT, JOHN F., Professor and Chairman, Dept. of Electrical Engineering, Northwestern University, Evanston, Ill. 1937.

CAMARENA, ELIOT, Head, Administration Dept., Tecnologico de Monterrey, Monterrey, N. L., Mexico. 1950.

CAMBEL, ALI B., Assistant Professor of Mechanical Engineering, State University of Iowa, Iowa City, Iowa. 1948.

CAMBRE, ROLAND J., Associate Professor of Mechanical Engineering, Southwestern Louisiana Institute, Lafayette, La. 1947.

CAMERON, CHARLES F., Professor of Electrical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1945.

CAMERON, HUGH S., Assistant Professor of Mechanical Engineering, Dean of Students, Rice Institute, Houston 1, Texas. 1928.

CAMP, WILBUR E., Instructor in Civil Engineering, Purdue University, Lafayette, Ind. 1949.

CAMP, WILLIAM G., Director of Instruction, New Mexico School of Mines, Socorro, N. M. 1946.

CAMPBELL, ASHLEY S., Dean, Institute of Technology, University of Maine, Orono, Maine. 1950.

CAMPBELL, DONALD P., Professor of Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1943.

CAMPBELL, FRANK R., Assistant Professor of Mechanical Engineering, Colorado School of Mines, Golden, Colo. 1947.

CAMPBELL, GORDON P., Instructor in Mechanical Engineering, University of Washington, Seattle, Wash. 1948.

CAMPBELL, JAMES S., JR., Assistant Professor of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1948.

CAMPBELL, JESSE M., Associate Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1931.

CAMPBELL, JOHN S., Instructor in Electrical Engineering and Mechanical Engineering, California Institute of Technology, Pasadena, Calif. 1942.

CAMPBELL, REED W., Instructor in Mechanical Engineering, Grove City College, Grove City, Pa. 1948.

CAMPBELL, RICHARD B. 1948.

CAMPBELL, ROBERT M., Head, Dept. of Ceramic Engineering, Alfred University, Alfred, N. Y. 1937.

CAMPBELL, THOMAS H., Associate Professor of Civil Engineering, University of Washington, Seattle, Wash. 1949.

CANADAY, EMMETT J. 1947.

CANAN, SAMUEL W., Assistant Professor of Electrical Engineering, Villanova College, Villanova, Pa. 1948.

CANAVACIOL, FRANK E., Professor of Electrical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1928.

CANDEE, FRANK W., Associate Professor of Mechanical Engineering, Washington State College, Pullman, Wash. 1924.

CANFIELD, DONALD T., Professor of Electrical Engineering, Purdue University, Lafayette, Ind. 1925.

CANNING, ROBERT V., Instructor in Electrical Engineering, University of Delaware, Newark, Del. 1949.

CANNON, JOSEPH H., Professor of Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1940.

CANTERBURY, SAMUEL L., Dean of Engineering, Kilgore College, Kilgore, Texas. 1943.

CANTLUPE, VICTOR J., Special Lecturer in Mechanical Engineering, Newark College of Engineering, Newark, N. J. 1949.

CAPP, MARTIN P., Professor and Chairman, Dept. of Civil Engineering, University of Denver, Denver, Colo. (*Member of Council, 1950–52.*) 1946.

CAPURO, ALBERT D., Professor of Engineering, Hofstra College, Hempstead, L. I., N. Y. 1948.

CARDIN, C. J., Professor and Head, Dept. of General Engineering, North Central College, Naperville, Ill. 1937.

CARDOSO, ANTONIO C., Assistant Professor of Electrical Engineering, University of S. Paulo, S. Paulo, Brasil, S. A. *Life member.* 1935.

CAREY, JOHN J., Associate Professor of Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1950.

CAREY, ROBERT H., Research Engineer, Physics Division, Bakelite Corp., Bound Brook, N. J. 1938.

CARL, IRA A., Assistant Professor of Mathematics, New York University, New York, N. Y. 1948.

CARLETON, WALTER M., Associate Professor of Agricultural Engineering, Michigan State College, East Lansing, Mich. 1950.

CARLSON, C. I., Associate Professor and Head, Dept. of General Engineering Drawing, University of Illinois, Navy Pier, Chicago, Ill. 1947.

CARLSON, DAVID E., Associate Professor of Management Engineering, A. & M. College of Texas, College Station, Texas. 1947.

CARLSON, DELPHINE C., Instructor in Mathematics, Michigan College of M. & T., Sault Ste. Marie Branch, Sault Ste. Marie, Mich. 1948.

CARLSON, DE VON M., Assistant Professor of Architectural and Civil Engineering, University of Colorado, Boulder, Colo. 1944.

CARLSON, WALTER W., Professor of Shop Practice, Kansas State College, Manhattan, Kans. 1912.

CARLSTONE, PAUL A., Staff Assistant, Education and Training Dept., International Harvester Co., Chicago, Ill. 1949.

CARLTON, ERNEST W., Professor of Civil Engineering, Missouri School of Mines, Rolla, Mo. 1949.

CARMICHAEL, COLIN, Editor, *Machine Design*, Penton Pub. Co., Cleveland, Ohio. 1934.

CARMICHAEL, LEONARD, President, Tufts College, Medford, Mass. 1949.

CARMICHAEL, RONALD L., Instructor in Chemical and Metallurgical Engineering, Colorado School of Mines, Golden, Colo. 1948.

CARPENTER, CARLEY F., Instructor in Engineering Drawing and Machine Design, University of Colorado, Boulder, Colo. 1947.

CARPENTER, EDWARD L., Assistant Professor of Mechanical Engineering, Rhode Island State College, Kingston, R. I. 1922.

CARPENTER, JAMES H., Manager, Engineering Training, Carrier Corporation, Syracuse, N. Y. 1949.

CARPENTER, JAY A., Director, Mackay School of Mines, University of Nevada, Reno, Nev. 1934.

CARPENTER, MORRIS T., Executive Director, Whiting Laboratories Research Dept., Standard Oil Co., Whiting, Ind. 1949.

CARPENTER, OTTO, Coordinator of College Relations, Western Electric Co., 195 Broadway, New York City. 1936.

CARPENTER, SAMUEL T., Professor and Chairman, Dept. of Civil Engineering, Swarthmore College, Swarthmore, Pa. 1936.

CARR, A. R., Dean, College of Engineering, Wayne University, Detroit, Mich. 1927.

CARR, CLIFFORD C., Professor and Head, Dept. of Electrical Engineering, Pratt Institute, Brooklyn, N. Y. 1926.

CARR, T DEWITT, Dean of Engineering, University of Kansas, Lawrence, Kans. 1947.

CARRAGAN, GEORGE H., Professor and Head, Dept. of Physics, Rensselaer Polytechnic Institute, Troy, N. Y. 1946.

CARROLL, CHARLES L., Assistant Professor of Mathematics, North Carolina State College, Raleigh, N. C. 1947.

CARROLL, GEORGE A., Professor of International Relations and Head, Dept. of Social Studies, Case Institute of Technology, Cleveland, Ohio. 1948.

CARROLL, PENN L., Como., U.S.N., Retired, U. S. Dept. of State Visiting Professor of Electrical Engineering, Special Assistant to the President, Instituto Tecnologico de Monterrey, Monterrey, N. L., Mexico. 1950.

CARRUTHERS, JOHN L., Professor and Chairman, Dept. of Ceramic Engineering, The Ohio State University, Columbus, Ohio. 1929.

CARSON, RALPH S., Instructor in Radio Engineering, Indiana Technical College, Fort Wayne, Ind. 1948.

CARSON, WILLIAM H., Dean, College of Engineering, University of Oklahoma, Norman, Okla. (*Member of Council, 1950–52.*) 1942.

CARSTENS, M. ROBERT, Asst. Prof., Civil Engineering, State College of Washington, Pullman, Wash. 1948.

CARTER, ARTHUR H., Associate Professor of General Engineering, Purdue University, Lafayette, Ind. 1948.

CARTER, CLYDE L., Assistant Research Engineer, Engineering Experiment Station, University of Tennessee, Knoxville, Tenn. 1947.

CARTER, DEANE G., Professor of Form Structures, University of Illinois, Urbana, Ill. 1947.

CARTER, GEORGE W., Associate Professor of Mechanical Engineering, University of Utah, Salt Lake City, Utah. 1950.

CARTER, GORDON K., Associate Professor of Electrical Engineering, University of Virginia, Charlottesville, Va. 1946.

CARTER, HAROLD S., Professor of Civil Engineering, University of Utah, Salt Lake City, Utah. 1924.

CARTER, WILLIAM J., 625 Hale, Palo Alto, Calif. 1945.

CARTIER, LEONARD, Associate Professor of Hydraulics, Ecole Polytechnique, Montreal, Canada. 1942.

CARTWRIGHT, PAUL A., Asst. Prof. in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1945.

CARVER, LLOYD A., Assistant Professor of Electrical Engineering, Rutgers University, New Brunswick, N. J. 1946.

CARVER, WILLIAM O., Instructor in Agricultural Engineering, Michigan State College, East Lansing, Mich. 1949.

CARVIN, FRANK D., Director, Dept. of Mechanical Engineering, Illinois Institute of Technology, Chicago 16, Ill. (*Member of Council, 1948.*) 1925.

CASAGRANDE, ARTHUR, Gordon McKay Professor of Soil Mechanics and Foundation Engineering, Graduate School of Engineering, Harvard University, Cambridge, Mass. 1935.

CASARES L., JORGE, Dean, Facultad de Ciencias, Matematicas y Fisicas, Universidad Central del Ecuador, Quito, Ecuador, S. A. 1945.

CASBERG, CARL H., Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1933.

CASE, ALLANDO A., Associate in Mechanical Engineering (Retired), Georgia Institute of Technology, Atlanta, Ga. (Home: Box 16, Carrollton, Ga.) 1932.

CASE, GEO. W., Dean Emeritus, College of Technology, University of New Hampshire, Hanover, N. H. Residence: North Manchester, Ind. (*Member of Council, 1934–37; Vice President, 1938–39.*) 1914.

CASE, HARRY W., Associate Professor of Engineering and Psychology, University of California, Los Angeles, Calif. 1947.

CASEY, EDWARD J., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

CASEY, FRANK J., Instructor in Engineering Mathematics, University of Colorado, Boulder, Colo. 1946.

CASHMAN, ROBERT D., Director of Placement, Rhode Island State College, Kingston, R. I. 1949.

CASON, F. LYNN, Associate Professor and Coordinator of Placement, Purdue University, Lafayette, Ind. 1947.

CASSELL, WALLACE L., Professor of Electrical Engineering, Iowa State College, Ames, Iowa. 1939.

CASSINIS, GINO, Directore del Politechnico di Milano, Milan, Italy. 1947.

CASTELLANOS, LEO J., Assistant Professor of Mechanical Engineering, University of Houston, Houston, Texas. 1949.

CASTLE, DREW W., Instructor in Engineering Drawing, Joliet Junior College, Joliet, Ill. 1949.

CASTLEMAN, FRANCIS L., JR., Dean of Engineering, University of Connecticut, Storrs, Conn. 1938.

CASTLEMAN, JOHN R., Professor and Acting Head, Dept. of Graphics, Virginia Polytechnic Institute, Blacksburg, Va. 1930.

CASTONGUAY, THOMAS T., Professor and Head, Dept. of Chemical Engineering, University of New Mexico, Albuquerque, N. M. 1945.

CATHER, CARL H., Professor and Head, Dept. of Mechanics, West Virginia University, Morgantown, W. Va. 1936.

CATHER, HAROLD M., Professor and Head, Dept. of Mechanical Engineering, West Virginia University, Morgantown, W. Va. 1937.

CATLIN, HERBERT P., Head, Dept. of Student Aid, Rensselaer Polytechnic Institute, Troy, N. Y. 1948.

CAUGHEY, R. A., Professor of Structural Engineering, Iowa State College, Ames, Iowa. 1911.

CAVANAUGH, JOHN J., President, University of Notre Dame, Notre Dame, Ind. 1949.

CAVERLEY, LOYST C., Professor of Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1927.

CEAGLSKE, NORMAN H., Professor of Chemical Engineering, University of Minnesota, Minneapolis, Minn. 1944.

CEHRS, CHARLES H., Assistant Professor of Engineering, Fresno State College, Fresno 4, Calif. 1948.

CELL, JOHN W., Professor of Mathematics, North Carolina State College, Raleigh, N. C. 1936.

CERECEDA, FRANCESCO, Rector, Universidad Santa Maria, Valparaiso, Chile, S. A. 1945.

CERMAK, JACK E., Assistant Professor of Civil Engineering, Colorado A. & M. College, Fort Collins, Colo. 1949.

CHADERTON, JULIAN C., Assistant Professor of Civil Engineering, University of Illinois, Chicago, Ill. 1942.

CHADWICK, THEODORE A., Professor of Architecture, Kansas State College, Manhattan, Kans. 1948.

CHAIKIN, PHILIP, Instructor in Mechanical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1950.

CHALLENNER, ANSEL, Associate Professor of Electrical Engineering, University of Oklahoma, Norman, Okla. 1948.

CHAMBERLAIN, DONALD F., Professor of Chemical Engineering, Washington University, St. Louis, Mo. 1947.

CHAMBERLAIN, HAROLD N., Director, Counseling and Testing Dept., Rensselaer Polytechnic Institute, Troy, N. Y. 1946.

CHAMBERLAIN, JOS. J., Professor of Civil Engineering, University of Dayton, Dayton, Ohio. 1940.

CHAMBERLAIN, MARGUERITE, Eastman Librarian, Massachusetts Institute of Technology, Cambridge, Mass. 1941.

CHAMBERLAIN, ROBERT F., Assistant Dean, College of Engineering, Cornell University, Ithaca, N. Y. 1946.

CHAMBERLIN, STEPHEN J., Professor of Theoretical and Applied Mechanics, Iowa State College, Ames, Iowa. 1935.

CHAMBERS, ALVIN L., Associate Professor of Civil Engineering, University of Kentucky, Lexington, Ky. 1938.

CHAMBERS, CARL C., Acting Dean, Moore School, University of Pennsylvania, Philadelphia, Pa. 1943.

CHAMBERS, CARLETON A., Assistant Professor of General Engineering, University of Southern California, Los Angeles, Calif. 1949.

CHAMBERS, R. FRED, Director of Placement Bureau, University of Colorado, Boulder, Colo. 1948.

CHAMBERS, WILBUR W., Instructor in Mathematics, Purdue University Extension, Indianapolis, Ind. 1948.

CHAMBERS, WILLIAM R., Professor and Head, Mechanical Engineering, University of Tennessee, Knoxville, Tenn. 1950.

CHAMPAGNE, RALPH G., Assistant Professor of Science, Siena College, Troy, N. Y. 1948.

CHANDLER, HOWARD. 1946.

CHANG, SHURMAN Y., Assistant Professor of Electrical Engineering, University of Massachusetts, Amherst, Mass. 1950.

CHAPEL, RAYMOND E., Instructor in Mechanical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1947.

CHAPIN, LLOYD W., Dean of Faculties, Georgia Institute of Technology, Atlanta, Ga. 1946.

CHAPMAN, ALAN J., Assistant Professor of Mechanical Engineering, Rice Institute, Houston, Texas. 1947.

CHAPMAN, C. ROBERT, Instructor in Electrical Engineering, Purdue University, Lafayette, Ind. 1949.

CHAPMAN, EDWARD A., Librarian, Rensselaer Polytechnic Institute, Troy, N. Y. 1946.

CHAPMAN, HARRISON, Head, Dept. of Chemical Engineering, Melbourne Technical College, Melbourne, Victoria, Australia. 1948.

CHAPMAN, ROBERT G., Chief Engineer, The Pfandler Co., Rochester, N. Y. 1939.

CHAPMAN, STUART W., Associate Professor of Humanistic Social Studies and Acting Exec. Officer, University of Washington, Seattle, Wash. 1949.

CHASE, ARTHUR S., Associate Professor of Civil Engineering, Alabama Polytechnic Institute, Auburn, Ala. 1949.

CHASE, CHARLES H., Professor Emeritus of Mechanical Engineering, Tufts College, Medford, Mass. *Life member.* 1935.

CHASE, ELWYN F., Associate Professor of Chemistry, Drexel Institute of Technology, Philadelphia, Pa. 1948.

CHASE, HOWARD W., Assistant Professor of Shop Practices, State College of Washington, Pullman, Wash. 1947.

CHASE, WILLIAM F., Instructor in Mechanical Engineering, University of Detroit, Detroit, Mich. 1950.

CHASTEEN, JACK S., Assistant Professor of Mechanical Engineering, Colorado A. & M. College, Fort Collins, Colo. 1946.

CHEADLE, J. NORMAN, Assistant Professor of Electrical Engineering, South Dakota State College, Brookings, S. D. 1947.

CHEATHAM, JAMES C., Assistant Professor of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1941.

CHEEK, FRANK J., JR., Professor of Sanitary Engineering, University of Kentucky, Lexington, Ky. 1924.

CHELBERG, RAYMOND R., Associate Professor and Head of Chemistry, Michigan College of M. & T., Sault St. Marie, Mich. 1945.

CHENEA, PAUL F., Associate Professor of Engineering Mechanics, University of Michigan, Ann Arbor, Mich. 1948.

CHENEY, LLOYD T., Assistant Professor of Civil Engineering, Wayne University, Detroit, Mich. 1946.

CHENOWETH, HARRY H., Instructor in Civil Engineering, University of Washington, Seattle, Wash. 1950.

CHERRY, CARLTON E., Head, Dept. of Engineering, College of Marin, Kentfield, Calif. 1930.

CHESIRE, ESTHER E., Librarian, Technology Staff, Carnegie Library of Pittsburgh, Pittsburgh, Pa. 1944.

CHESNUT, D. LEE, Manager of Sales, Educational Section, Apparatus Dept., General Electric Co., Schenectady, N. Y. 1946.

CHETRICK, M. H., Associate Professor of Chemical Engineering, University of North Dakota, Grand Forks, N. D. 1946.

CHEW, WOODROW W., Professor and Head, Department of Chemical Engineering, Louisiana Polytechnic Institute, Ruston, La. 1948.

CHIERI, PERICLE A., Associate Professor of Mechanical Engineering, Newark College of Engineering, Newark, N. J. 1947.

CHILDS, WYLIE J., Associate Professor of Metallurgy, Lafayette College, Easton, Pa. 1949.

CHILTON, THOMAS H., Technical Director, Development Engineering Dept., E. I. du Pont de Nemours & Co., Wilmington, Del. 1939.

CHIMINO, DAVID F., Instructor of Physics, Michigan College of Mining and Technology, Houghton, Mich. 1948.

CHINBURG, CARL H., Assistant Professor of Electrical Engineering, Colorado State College of Agriculture, Fort Collins, Colo. 1947.

CHIPAK, ROBERT F., Instructor in Mechanical Engineering, University of Notre Dame, Notre Dame, Ind. 1950.

CHIPMAN, JOHN, Professor of Metallurgy, Massachusetts Institute of Technology, Cambridge, Mass. 1947.

CHITTENDEN, HIRAM M., Associate Professor of Civil Engineering, University of Washington, Seattle, Wash. 1950.

CHRISTENSEN, GLENN J., Associate Professor of English, Lehigh University, Bethlehem, Pa. 1946.

CHRISTENSEN, N. A., Professor and Director, School of Civil Engineering, Cornell University, Ithaca, N. Y. (*Member of Council, 1948.*) 1938.

CHRISTIANSEN, E. B., Professor and Head, Dept. of Chemical Engineering, University of Utah, Salt Lake City, Utah. 1948.

CHRISTIANSEN, JERALD E., Dean, School of Engineering, Utah State Agricultural College, Logan, Utah. 1946.

CHRISTIANSON, L. C., Assistant Professor of Drawing, Missouri School of Mines, Rolla, Mo. 1946.

CHRISTIE, ALEXANDER G., Professor Emeritus of Mechanical Engineering, The Johns Hopkins University, Baltimore, Md. *Twenty-first Recipient, Lamme Medal (1948).* 1923.

CHRISTMAN, WEBSTER M., Assistant Professor of Engineering Drawing, University of Wisconsin, Extension Division, Milwaukee, Wis. 1947.

CHRISTOPHERSON, CLARENCE H., Associate Professor of Agricultural Engineering, University of Minnesota, St. Paul, Minn. 1947.

CHU, JU C., Associate Professor of Chemical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1947.

CHUKWUEMEKO, NWANKWO, Assistant Professor of Mechanical Engineering, Howard University, Washington, D. C. 1947.

CHUMLEY, JOSEPH G., Instructor in Mechanical Engineering, Louisiana Polytechnic Institute, Ruston, La. 1949.

CHURAK, ANTHONY P., Instructor in Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

CHURBUCK, LEWIS M., President, The Aeronautical University, Chicago, Ill. 1943.

CHURCH, AUSTIN H., Professor and Chairman, Dept. of Mechanical Engineering, New York University, New York, N. Y. 1940.

CHURCH, EDWIN F., JR., Professor of Mechanical Engineering, Emeritus, The Polytechnic Institute of Brooklyn, Brooklyn, N. Y. *Life member.* 1910.

CHURCHILL, EVERETT A., Vice President, Northeastern University, Boston, Mass. 1946.

CHURCHILL, LAWRENCE S., Assistant Professor of Mechanical Engineering, University of Louisville, Louisville, Ky. 1947.

CIURLYS, JURGIS, 138–15 231st St., Laurelton L. I., Rosedale 10, N. Y. 1949.

CLAIBORNE, HARRY C., 182 Hillside Road, Apt. A, Oak Ridge, Tenn. 1947.

CLAMONS, ERIC H., Instructor in Mechanical Engineering, University of Minnesota, Minneapolis 14, Minn. 1948.

CLANTON, JACK R., Assistant Professor of Civil Engineering, University of Washington, Seattle, Wash. 1947.

CLARK, ADRIAN N., Vice President, D. Van Nostrand Co., 250 Fourth Ave., New York 3, N. Y. 1941.

CLARK, ANDREW G., Head, Dept. of Mathematics, Colorado State College of Agriculture, Fort Collins, Colo. 1947.

CLARK, DAVID S., Professor of Mechanical Engineering, Purdue University, Lafayette, Ind. (*Member of Council, 1950–52.*) 1932.

CLARK, DONALD S., Associate Professor of Mechanical Engineering, California Institute of Technology, Pasadena, Calif. 1942.

CLARK, EDGAR C., Associate Professor of Mechanics, The Ohio State University, Columbus, Ohio. (*Member of Council, 1949–51.*) 1928.

CLARK, EDWARD L., President, Multnomah College, Portland, Ore. 1950.

CLARK, EDWIN E., Professor of Electrical Engineering, South Dakota School of Mines, Rapid City, S. D. 1922.

CLARK, FRANKLIN F., Instructor in Chemistry, Colorado School of Mines, Golden, Colo. 1947.

CLARK, GEORGE B., Assistant Professor of Mineral Engineering, University of Illinois, Urbana, Ill. 1950.

CLARK, GEORGE W., Associate Professor of Civil Engineering, Ohio University, Athens, Ohio. 1949.

CLARK, JAMES C., Professor and Head, Dept. of Electrical Engineering, University of Arizona, Tucson, Ariz. 1912.

CLARK, JAMES G., Professor of Civil Engineering, University of Illinois, Urbana, Ill. 1949.

CLARK, JOHN W., Teaching Fellow, Mechanical Engineering, Wayne University, Detroit, Mich. 1950.

CLARK, LEROY W., Professor and Head of Mechanics, Rensselaer Polytechnic Institute, Troy, N. Y. 1922.

CLARK, LYLE G., Instructor in Engineering Mechanics, University of Michigan, Ann Arbor, Mich. 1950.

CLARK, ROY E., Associate Professor of Heat Power Engineering, Cornell University, Ithaca, N. Y. 1937.

CLARK, WILLIAM C., Instructor in Engineering Mechanics, University of Arkansas, Fayetteville, Ark. 1948.

CLARKE, EDITH, Professor of Electrical Engineering, University of Texas, Austin, Texas. 1947.

CLARKE, ELWYN L., Professor and Head, Dept. of Civil Engineering, Clemson College, Clemson, S. C. *Life member.* 1921.

CLARKE, JAMES G., Associate Professor of Electrical Engineering, Yale University, New Haven, Conn. 1943.

CLAUS, ROGER J., Instructor in Civil Engineering, Michigan State College, East Lansing, Mich. 1950.

CLAUSEN, JOHN N., Instructor in Drawing and Descriptive Geometry, University of Minnesota, Minneapolis, Minn. 1950.

CLAYBAUGH, HOWARD S., Division Engineer, Drainage Dept., Armco Drainage & Metal Products Inc., 4345 Lyndale Ave., N., Minneapolis, Minn. 1947.

CLAYPOOLE, LYNNFORD E., Instructor in Elec. Tech., Institute of Applied Arts & Sciences, State University of New York, Buffalo, N. Y. 1950.

CLAYTON, LESLIE A., Assistant Professor of Civil Engineering, Oregon State College, Corvallis, Ore. 1948.

CLAYTON, MAURICE H., Instructor in Mathematics, North Carolina State College, Raleigh, N. C. 1947.

CLEAR, JAMES A., Instructor in Drawing, Wright Junior College, Chicago, Ill. 1946.

CLEARY, STEPHEN F., Professor of Engineering Drawing, Cornell University, Ithaca, N. Y. 1932.

CLEETON, GLEN U., Dean, Div. Humanistic and Social Studies, Carnegie Institute of Technology, Pittsburgh, Pa. 1944.

CLEGHORN, M. P., Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1910.

CLEMENS, GEORGE J., Assistant Professor of Drawing, City College of New York, New York, N. Y. 1949.

CLEMENT, STUART H., Associate Director, Student Appointment Bureau, Yale University, New Haven, Conn. 1949.

CLEMENT, WILLIAM B., Instructor in Engineering Drawing and Mechanics, Georgia Institute of Technology, Atlanta, Ga. 1940.

CLEMENT, WILLIAM D., Instructor in Mechanical Engineering, University of New Hampshire, Durham, N. H. 1947.

CLEMENTS, DONALD F., Assistant Professor of Electrical Engineering, University of Delaware, Newark, Del. 1950.

CLEMENTS, S. EUGENE, Associate Professor of Electrical Engineering, Syracuse University, Syracuse, N. Y. 1940.

CLEMENTS, WILLIAM B., Instructor in Mechanical Engineering, University of Delaware, Newark, Del. 1949.

CLEVELAND, LAURENCE F., Associate Professor of Electrical Engineering, Northeastern University, Boston, Mass. 1930.

CLEVELAND, ROGER M., Assistant Professor of Agricultural Engineering, University of Arkansas, Fayetteville, Ark. 1950.

CLIFFORD, A. CHESTER, Assistant Supt., Western Electric Co., Kearny, N. J. 1944.

CLOCK, LOUIS S., Assistant Professor of Applied Mechanics, University of Detroit, Detroit, Mich. 1948.

CLOKE, JOHN B., Professor and Head of Organic Chemistry, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

CLOKE, PAUL, Dean Emeritus, College of Technology, University of Maine, Orono, Maine. *(Vice President, 1932–33; Member of Council, 1928–31.) Life Member.* 1919.

CLOTHIER, JOHN B., Associate Professor of Electrical Engineering, Villanova College, Villanova, Pa. 1947.

CLOUSE, JOHN H., Dean, University of Miami, Coral Gables, Fla. 1927.

CLOWER, JAMES I., Professor and Chairman, Dept. of Mechanical Engineering, University of Delaware, Newark, Del. 1937.

CLUVERIUS, WAT T., President, Worcester Polytechnic Institute, Worcester, Mass. 1943.

COAN, JOHN M., Professor, Department of Aeronautical Engineering, University of Illinois, Urbana, Ill. 1944.

COATES, JESSE, Professor of Chemical Engineering, Louisiana State University, University, La. 1939.

COBB, ARNOLD C., Assistant Professor of Engineering, University of Illinois, Navy Pier, Chicago, Ill. 1949.

COBB, RICHARD N., Associate Professor of Mathematics, Worcester Polytechnic Institute, Worcester, Mass. 1947.

COBINE, JAMES D., Research Physicist, General Electric Co., Research Laboratory, Schenectady, N. Y. 1938.

COBURN, THEODORE, Assistant Vice President, John Wiley and Sons, Inc., 7779 Hollywood Blvd., Hollywood 46, Calif. 1925.

COCHRAN, LYALL B., Associate Professor of Electrical Engineering, University of Washington, Seattle, Wash. 1948.

COCKE, RANDOLPH P., JR., Virginia Electric & Power Co.; P. O. Box 1194, Richmond, Va. 1948.

CODDINGTON, E. F., Emeritus Professor of Geodesy, The Ohio State University, Columbus, Ohio. 1911.

COFFEY, JOHN W., Professor (Colonel), Ordnance Dept., U. S. Military Academy, West Point, N. Y. 1950.

COGBURN, CECIL O., Instructor in Mechanical Engineering, University of Arkansas, Fayetteville, Ark. 1950.

COKE, JOHN M., Associate Professor of Descriptive Geometry and Engineering Drawing, Colorado School of Mines, Golden, Colo. 1945.

COLBERT, JULES P., Professor of Civil Engineering, University of Nebraska, Lincoln, Nebr. 1935.

COLBURN, ALLAN P., Provost, Chemical Engineering, Experiment Station, University of Delaware, Newark, Del. 1938.

COLBY, HOWARD R., Instructor in Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

COLCORD, JOSIAH E., Instructor in Civil Engineering, University of Washington, Seattle, Wash. 1950.

COLE, DAVID H., Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1946.

COLE, RICHARD H., Lecturer in Mechanical Engineering, Northwestern Technological Institute, Evanston, Ill. 1948.

COLE, ROBERT C., Professor of Drawing, University of Michigan, Ann Arbor, Mich. 1948.

COLE, R. W., Expediter, L. G. Balfour Co., Attleboro, Mass. 1939.

COLEMAN, RALPH H., Associate Professor of Mathematics, Evansville College, Evansville, Ind. 1950.

COLEMAN, RALPH M., Assistant Professor of Engineering, Texas Western, El Paso, Texas. 1948.

COLES, FRANC, Administrative Assistant, College of Engineering, University of California, Los Angeles, Calif. 1950.

COLES, HENRY L., Professor and Head, Dept. of Chemical Engineering and Chemistry, Michigan College of M. & T., Houghton, Mich. 1943.

COLGAN, ARTHUR R., Instructor in Electrical Engineering, Iowa State College, Ames, Iowa. 1949.

COLLARD, ARTHUR A., Professor of Civil Engineering, Rhode Island State College, Kingston, R. I. 1938.

COLLESTER, CLINTON H., Head, Dept. of English, Franklin Technical Institute, Boston, Mass. 1948.

COLLIER, HERMAN E., Assistant Professor of General Engineering, Tennessee Polytechnic Institute, Cookeville, Tenn. 1947.

COLLIER, IRA L., Assistant Professor of Civil Engineering, University of Washington, Seattle, Wash. 1924.

COLLIER, MARJORIE S., Instructor in Mechanical Engineering, Tennessee Polytechnic Institute, Cookeville, Tenn. 1950.

COLLINS, ALTON W., Director of Technical Extension Division, Purdue University, Indianapolis, Ind. 1948.

COLLINS, BASIL K., Assistant Professor of Machine Design, Alabama Polytechnic Institute, Auburn, Ala. 1935.

COLLINS, HERBERT, Instructor in Social Studies, North Carolina State College, Raleigh, N. C. 1947.

COLLINS, H. JOHN, Chadwick Professor of Civil and Municipal Engineering, University College, London, England. 1947.

COLLINS, HUBERT W., Associate Professor of Civil Engineering, Colorado State College of Agriculture, Fort Collins, Colo. 1948.

COLLINS, W. LEIGHTON, Professor of Theoretical and Applied Mechanics, University of Illinois, Urbana, Ill. 1932.

COLLYER, NORMAN, 32 Tennis Place, Forest Hills, N. Y. 1919.

COLVERT, WILLIAM W., Associate Professor of Physics, Illinois Institute of Technology, Chicago, Ill. 1935.

COLVIN, CHARLES H., Vice President, G. M. Giannini & Co., Inc., Springfield, N. J. 1941.

COMASSAR, SEYMOUR, Lt., USNR, Dept. of Marine Engineering, U. S. Naval Academy, Annapolis, Md. 1948.

COMBS, LEWIS B., Professor of Civil Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1948.

COMFORT, EDWIN G. H., Assistant Professor of Mathematics, Illinois Institute of Technology, Chicago, Ill. 1947.

COMI, PETER J., Head, Drafting Dept., Central Vocational School, Providence, R. I. 1944.

COMP, LAVERNE A., Professor and Head, Dept. of Aeronautical Engineering, University of Oklahoma, Norman, Okla. 1947.

COMPTON, KARL T., President Emeritus, Chairman of Corporation, Massachusetts Institute of Technology, Cambridge, Mass.

COMPTON, WILSON M., President, State College of Washington, Pullman, Wash. 1950. (*Member of Council, 1933–36, 1937–46; Vice President, 1937–38; President, 1938–39.*) *Twenty-second Recipient, Lamme Medal (1949).* 1929.

CONDIT, CARL W., Assistant Professor of English, Northwestern University, Evanston, Ill. 1949.

CONDIT, KENNETH H., Dean, School of Engineering, Princeton University, Princeton, N. J. (*Member of Council, 1939–42.*) 1937.

CONKLIN, WILLET T., Assistant Professor of English, University of Texas, Austin, Texas. 1945.

CONLEY, HUGH G., Lecturer in Civil Engineering, University of Southern California, Los Angeles, Calif. 1939.

CONLON, EMERSON W., Professor and Chairman, Dept. of Aeronautical Engineering, University of Michigan, Ann Arbor, Mich. 1940.

CONNELL, CHARLES R., Assistant Professor of Mechanical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1948.

CONNELL, GERALD P., Professor and Head, Dept. of Chemical Engineering, Lawrence Institute of Technology, Highland Park, Mich. 1947.

CONNER, JOHNSON S., Assistant Professor of Mechanical Drawing, Louisiana State University, Baton Rouge, La. 1948.

CONNER, NORVAL W., Professor of Mechanical Engineering, North Carolina State College, Raleigh, N. C. 1931.

CONOVER, LAWRENCE J., Associate Professor of Electrical Engineering, Lafayette College, Easton, Pa. 1942.

CONRAD, ALBERT G., Chairman, Dept. of Electrical Engineering, Yale University, New Haven, Conn. (*Member of Council, 1948–50.*) 1929.

CONRAD, FRANK H., Professor of Chemical Engineering, Missouri School of Mines, Rolla, Mo. 1938.

CONRAD, LOWELL E., Professor Emeritus of Civil Engineering Kansas State College, Manhattan, Kans. (*Vice President, 1940–41; Member of Council, 1931–34, 1946–49.*) *Life member.* 1908.

CONROE, IRWIN A., Assistant Commissioner for Professional Education, State Dept. of Education, Albany, N. Y. 1942.

CONTA, BARTHOLOMEW J., Professor of Mechanical Engineering, Syracuse University, Syracuse, N. Y. 1945.

CONTA, LEWIS D., Professor & Chairman of Mechanical Engineering, University of Rochester, Rochester, N. Y. 1949.

CONTE, FRANK J., Civil Engineer, Mohawk Engineering Co., Utica 2, N. Y. 1947.

CONVERSE, FREDERICK J., Professor of Soil Mechanics, California Institute of Technology, Pasadena, Calif. 1946.

CONVERSE, HELEN C., Engineering Branch Librarian, Virginia Polytechnic Institute, Blacksburg, Va. 1947.

CONWAY, J. B., Assistant Professor of Chemical Engineering, Villanova College, Villanova, Pa. 1949.

CONWELL, WALTER L., Assistant Dean, College of Engineering, Cornell University, Ithaca, N. Y. 1946.

CONWELL, WILLIAM A., Instructor in Civil Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1949.

COOGAN, CHARLES H., JR., Professor and Head, Dept. of Mechanical Engineering, University of Connecticut, Storrs, Conn. 1931.

COOK, ARTHUR L. (Retired), 14 Ashland Street, Worcester 2, Mass. *Life member.* 1913.

COOK, CHARLES M., Instructor in Electrical Engineering, Indiana Technical College, Fort Wayne, Ind. 1948.

COOK, DAVID I., Instructor in Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1946.

COOK, MARSDEN A., Assistant Professor of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1945.

COOK, RUDYARD M., Assistant Professor of Civil Engineering, Northwestern University, Evanston, Ill. 1941.

COOKE, HENRY C., Assistant Professor of Mathematics, North Carolina State College, Raleigh, N. C. 1940.

COOKE, NELSON M., Lt. Comdr., USN, Route No. 1, Vienna, Va. 1942.

COOKE, S. P., Associate Professor of Electronics, Case Institute of Technology, Cleveland, Ohio. 1939.

COOLEY, ALBERT M., Professor and Head, Dept. of Chemical Engineering, University of North Dakota, Grand Forks, N. D. 1935.

COOLEY, ROBERT A., Associate Professor of Chemical Engineering, Missouri School of Mines, Rolla, Mo. 1949.

COONAN, FRED L., Professor and Head, Dept. of Metallurgy and Chemistry, U. S. Naval Postgraduate School, Annapolis, Md. 1946.

COONLEY, LEWIS S., Professor and Head, Depts. of Chemical Engineering and Chemistry, Rensselaer Polytechnic Institute, Troy, N. Y. 1943.

COONS, KENNETH W., Professor and Head, Dept. of Chemical Engineering, University of Alabama, Tuscaloosa, Ala. 1939.

COONS, STEVEN A., Instructor in Graphics, Massachusetts Institute of Technology, Cambridge, Mass. 1949.

COOPER, ALBERT H., Professor and Head, Dept. of Chemical Engineering, Bucknell University, Lewisburg, Pa. 1936.

COOPER, CHARLES D., Professor of Engineering Drawing, The Ohio State University, Columbus, Ohio. 1942.

COOPER, CHARLES M., Director, Engineering Research Laboratory, E. I. du Pont de Nemours & Co., Wilmington, Del. 1949.

COOPER, LEMUEL B., Assistant Professor of Mechanical Engineering, University of Washington, Seattle, Wash. 1943.

COOPER, LINTON L., Professor and Head, Dept. of Mechanical Drawing, Louisiana State University, University, La. 1934.

COOPER, MAURICE D., Director, Mining Engineering Education, National Coal Association, Pittsburgh, Pa. 1948.

COOPEY, MARTIN P., Associate Professor of Civil Engineering, Oregon State College, Corvallis, Ore. 1943.

COOVER, MERVIN S., Professor and Head, Department of Electrical Engineering, Iowa State College, Ames, Iowa. 1923.

COPE, RALPH L., Assistant Professor of Industrial Engineering, North Carolina State College, Raleigh, N. C. 1939.

COPE, WILLIAM J., Professor and Head, Dept. of Mechanical Engineering, University of Utah, Salt Lake City, Utah. 1937.

COPELAND, EUGENE H., Instructor in Mechanical Engineering Kansas State College, Manhattan, Kans. 1950.

COPELAND, HUGH, Director, Technical School, Emboy-Riddle School of Aviation, Miami, Fla. 1948.

COPELAND, PAUL L., Professor of Physics, Illinois Institute of Technology, Chicago, Ill. 1941.

COPPERSMITH, C. W., Associate Professor and Head, Dept. of Engineering Drawing, Case Institute of Technology, Cleveland, Ohio. 1915.

CORCORAN, GEORGE F., Professor and Chairman, Dept. of Electrical Engineering, University of Maryland, College Park, Md. 1926.

CORNELISON, EDWARD D., Counselor, Guidance, Pasadena City College, Pasadena, Calif. 1946.

CORNELL, HELEN R., Instructor in Communications, Institute of Applied Arts & Sciences, State University of New York, Buffalo, N. Y. 1950.

CORNELL, RUSSEL M., Assistant Professor of Civil Engineering, University of Minnesota, Minneapolis, Minn. 1947.

CORNET, ISRAEL I., Assistant Professor of Mechanical Engineering, University of California, Berkeley, Calif. 1950.

CORNETET, WENDELL H., Instructor in Electrical Engineering, West Virginia University, Morgantown, W. Va. 1948.

CORNING, LEO H., Manager, Structural and Railways Bureau, Portland Cement Association, Chicago, Ill. 1950.

CORRIGAN, GLEN L., Professor and Head of Petroleum Engineering, Louisiana Polytechnic Institute, Ruston, La. 1949.

CORRIGAN, THOMAS E., Assistant Professor of Chemical Engineering, West Virginia University, Morgantown, W. Va. 1949.

CORTEN, HERBERT T., Instructor in Theo. and Applied Mechanics, University of Illinois, Urbana, Ill. 1950.

CORY, ARTHUR M., Instructor in English, University of Texas, Austin, Texas. 1949.

CORY, WILLIAM L., Assistant Professor of Mechanics, University of Oklahoma, Norman, Okla. 1949.

COSENS, KENNETH W., Assistant Professor of Civil Engineering, Ohio State University, Columbus, Ohio. 1947.

COSSA, JOHN A., Associate Professor of Education, Director of Student Personnel, Manhattan College, New York 63, N. Y. 1949.

COSTA, JOHN J., Professor of Civil Engineering, Manhattan College, New York City. 1927.

COSTAKOS, NICHOLAS C., Assistant Professor of Mechanics, Missouri School of Mines, Rolla, Mo. 1950.

COTNER, WALTER W., Associate Professor of Industrial Engineering, Cornell University, Ithaca, N. Y. 1946.

COTTINGHAM, WILLARD S., Professor of Civil Engineering, University of Wisconsin, Madison, Wis. 1937.

COTTON, G. ROBERT, President, Kansas Vocational School, Topeka, Kans. 1947.

COTTRELL, C. JAMES, Assistant Professor of Electrical Engineering, Howard University, Washington, D. C. 1948.

COTTRELL, CASPER L., Associate Professor of Electrical Engineering, Cornell University, Ithaca, N. Y. 1946.

COULAM, JOSEPH, Professor and Head, Dept. of Woodwork and Building Construction, Utah State Agricultural College, Logan, Utah. 1947.

COULL, JAMES, Professor and Head, Dept. of Chemical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1939.

COULTER, HERMAN, Employment Supervisor, Dayton Power & Light Co., Dayton, Ohio. 1949.

COULTER, RICHARD G., Assistant Professor of Civil Engineering, The Cooper Union, New York, N. Y. 1948.

COUNTS, GERALD A., Professor of Physics and Chemistry, U. S. Military Academy, West Point, N. Y. 1950.

COURNYN, JOHN B., Assistant Professor of Civil Engineering, University of Maryland, College Park, Md. 1949.

COURTNEY, GEORGE W., JR., Assistant Professor of Chemical Engineering, Lafayette College, Easton, Pa. 1950.

COVAN, JACK P., Associate Professor of Management Engineering, A. & M. College of Texas, College Station, Texas. 1939.

COVENTRY, NEIL M., Head of Engineering, Multnomah College, YMCA, 831 S.W. 6th Ave., Portland, Ore. 1943.

COVER, GERALD M., Professor of Metallurgy, Case Institute of Technology, Cleveland, Ohio. 1939.

COWARD, STUART D., Instructor in Mechanical Engineering, North Dakota Agricultural College, Fargo, N. D. 1948.

COWELL, SMITH E., Instructor in Physics, South Dakota School of Mines and Technology, Rapid City, S. D. 1949.

COWIE, ALEXANDER, Research Engineer, Foote Bros. Gear Corp., 3017 E. 78th St., Chicago, Ill. 1933.

COWING, GUY R., President, General Motors Institute, Flint, Mich. 1945.

COWLES, WILLIAM H. H., Professor and Head, Department of Mathematics, Pratt Institute, Brooklyn, N. Y. 1929.

COX, GEORGE B., Head, Industrial Engineering, Oregon State College, Corvallis, Ore. 1949.

COX, GLEN N., Professor and Chairman of Hydraulics and Mechanics, New York University, New York 53, N. Y. 1935.

COX, JAMES E. 1947.

COX, WELBY, JR., Educational Specialist, Radio Mechanics Dept., U. S. Air Force Technical School, Belleville, Ill. 1950.

COX, WILLIAM N., Professor and Head, Dept. of Safety Engineering, Georgia Institute of Technology, Atlanta, Ga. 1945.

CRABTREE, FREDERICK H., Associate Professor of Civil Engineering, University of Florida, Gainesville, Fla. 1934.

CRABTREE, KENNETH G., Professor of Electrical Engineering, University of Maine, Orono, Maine. 1942.

CRAIG, ROBERT N. 1947.

CRAIGIE, LAURENCE C., Vice Commander, Far Eastern Air Forces, A. P. O. 925, c/o P. M., San Francisco, Calif. 1949.

CRAIN, HARRY M. 1943.

CRAIN, RICHARD W., Assistant Professor of Mechanical Engineering, University of Washington, Seattle, Wash. 1950.

CRAMER, CARL C., Assistant Professor of General Engineering, Technical Extension Division, Purdue University, Indianapolis, Ind. 1948.

CRAMER, ERNEST S., Graduate Fellow in Chemical Engineering, Cornell University, Ithaca, N. Y. 1943.

CRAMER, GLENN E., Instructor in Design, University of Illinois, Navy Pier, Chicago, Ill. 1949.

CRAMER, PAUL, Assistant Professor of Mathematics and Engineering, Monmouth College, Monmouth, Ill. 1947.

CRANDALL, STEPHEN H., Assistant Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1946.

CRANE, EDWARD M., President, D. Van Nostrand Co., 250 Fourth Ave., New York, N. Y. 1944.

CRATE, HARRY W., Professor of Engineering, Schreiner Institute, Kerrville, Texas. 1949.

CRAUN, HORACE D., Associate Professor of Electrical Engineering, Tennessee Polytechnic Institute, Cookeville, Tenn. 1947.

CRAWFORD, CHARLES W., Professor and Head, Department of Mechanical Engineering, A. & M. College of Texas, College Station, Texas. 1923.

CRAWFORD, HARRY L., Assistant Registrar, Michigan College of M. & T., Sault Ste. Marie, Mich. 1946.

CRAWFORD, IVAN C., Dean, School of Engineering, Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. (*Member of Council, 1929–32; Vice President, 1936–37.*) 1913.

CRAWFORD, T. STEPHEN, Dean, School of Engineering, Rhode Island State College, Kingston, R. I. 1936.

CRAWFORD, WILLIAM E., Executive in Charge of Research and Engineering Dept., A. O. Smith Corp., Milwaukee, Wis. 1949.

CREAGER, PAUL S., Associate Professor of Electrical Engineering, Rutgers University, New Brunswick, N. J. 1923.

CREAMER, WALTER J., Professor and Head, Dept. of Electrical Engineering, University of Maine, Orono, Maine. 1922.

CREDLE, ALEXANDER B., Professor of Electrical Engineering, Cornell University, Ithaca, N. Y. 1935.

CREECH, MERL D., Professor of Mechanics, University of Oklahoma, Norman, Okla. 1947.

CREEK, HERBERT L., Professor Emeritus of English, Purdue University, Lafayette, Ind. 1922.

CREESE, JAMES, President, Drexel Institute of Technology, Philadelphia, Pa. 1934.

CREW, WILLIAM H., Assistant Director for Scientific Personnel, Los Alamos Scientific Laboratory, P. O. Box 1663, Los Alamos, N. M. 1946.

CREWE, GEORGE F., Instructor in Chemical Engineering, West Virginia University, Morgantown, W. Va. 1948.

CREWS, DONALD L., Assistant Professor of Metallurgical Engineering, University of Cincinnati, Cincinnati, Ohio. 1949.

CRILLY, EUGENE R., Full Time Student, University of Pennsylvania, Philadelphia, Pa. 1949.

CROFT, HUBER O., Dean of Engineering, Director of Experimental Station, University of Missouri, Columbia, Mo. (*President, 1946–47; Member of Council, 1944–50.*) 1931.

CROMER, ORVILLE C., Associate Professor of Mechanical Engineering, Purdue University, Lafayette, Ind. 1940.

CROMWELL, LESLIE, Lecturer in Engineering, University of California, Los Angeles, Calif. 1950.

CROMWELL, PAUL C., Professor and Head, Dept. of Electrical Engineering, University of Tennessee, Knoxville, Tenn. 1935.

CRONK, ALFRED E., Assistant Professor of Aeronautical Engineering, University of Minnesota, Minneapolis, Minn. 1947.

CRONVICH, JAMES A., Professor of Electrical Engineering, Tulane University, New Orleans, La. 1950.

CROOK, CHARLES W., Instructor in Engineering Mechanics, University of Arkansas, Fayetteville, Ark. 1949.

CROPSEY, MYRON G., Associate Professor of Agricultural Engineering, Oregon State College, Corvallis, Ore. 1948.

CROSBY, HOWARD A., Instructor in Electrical Engineering, University of Maine, Orono, Maine. 1948.

CROSBY, LEMUEL S., General Personnel Supervisor, Long Lines Dept., American Telephone and Telegraph Co., 32 6th Ave., New York, N. Y. 1929.

CROSEN, ROBERT G., Dean of Faculty, Lafayette College, Easton, Pa. 1948.

CROSIER, CLAYTON M., Assistant Professor of Civil Engineering, University of Kansas, Lawrence, Kans. 1948.

CROSLAND, DOROTHY M., Librarian, Georgia Institute of Technology, Atlanta, Ga. 1944.

CROSNO, C. DONALD, Associate Professor of Electrical Engineering, New Mexico State College, State College, N. M. 1945.

CROSS, EDWARD F., Professor and Head, Engineering Department, Walla Walla College, College Place, Wash. 1947.

CROSS, HARDY, Professor and Chairman, Dept. of Civil Engineering, Yale University, New Haven, Conn. *Seventeenth Recipient, Lamme Medal (1944).* 1912.

CROSSLEY, F. R. ERSKINE, Assistant Professor of Mechanical Engineering, Yale University, New Haven, Conn. 1943.

CROSSMAN, RALPH S., Assistant Professor Emeritus of General Engineering Drawing, University of Illinois, Urbana, Ill. *Life Member.* 1919.

CROTHERS, H. M., Vice President and Dean, South Dakota State College, Brookings, S. D. (*Second Vice President, 1944–46.*) 1923.

CROUCH, JOEL E., Associate Professor of Economics of Engineering, Stevens Institute of Technology, Hoboken, N. J. 1940.

CROUCH, W. GEORGE, Professor of English, University of Pittsburgh, Pittsburgh, Pa. 1940.

CROUSE, WILLIAM H., Editor, Technical Education Dept., McGraw-Hill Book Co., 330 W. 42 St., New York 18, N. Y. 1943.

CROWDER, BERT A., Assistant Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1941.

CROWDER, CLEMMIE D. 1948.

CROWDER, JERAL J., Petroleum Engineer, Quintana Petroleum Corp., Houston, Texas. 1950.

CROWLEY, LENORA M., Instructor in Mathematics, Indiana Technical College, Fort Wayne, Ind. 1948.

CRUMP, JOSEPH R., Associate Professor of Chemical Engineering, University of Houston, Houston, Texas. 1949.

CSANYI, LADIS H., Professor of Civil Engineering, Iowa State College, Ames, Iowa. 1949.

CUDD, JACK B., Technical Instructor, Vocation Dept., University of Houston, Houston, Texas. 1949.

CUDWORTH, JAMES R., Dean, College of Engineering, University of Alabama, University, Ala. 1934.

CULBERTSON, WILLIAM W., Associate Professor of Metallurgy, Case Institute of Technology, Cleveland, Ohio. 1949.

CULLIMORE, ALLAN R., President, Newark College of Engineering, Newark, N. J. (*Vice President, 1943–44; Member of Council, 1940–43.*) 1914.

CULVER, EDWARD G., Assistant Professor and Head, Dept. of Mechanical Drawing, Michigan College of M. & T., Sault Ste. Marie, Mich. 1941.

CUMBERLAND, ROBERT W., Associate Professor of English and Humanities, The Cooper Union, New York, N. Y. 1944.

CUMMINGS, HAROLD N., Vice President, Newark College of Engineering, Newark, N. J. 1930.

CUMMINGS, ROBERT H., Sanitary Engineer, Health Dept., Westchester County, White Plains, N. Y. 1947.

CUMMINGS, ROBERT J., Assistant Professor of Industrial Engineering, University of Florida, Gainesville, Fla. 1949.

CUMMINS, KENNETH D., Instructor in Civil Engineering, University of Detroit, Detroit, Mich. 1950.

CUNNINGHAM, CHARLES A., Associate Professor of Mathematics, Youngstown College, Youngstown, Ohio. 1947.

CUNNINGHAM, CHARLES W., Associate Professor of Civil Engineering, College of the City of New York, New York City, N. Y. 1936.

CUNNINGHAM, JOHN B., Professor and Head of Metallurgy and Mining, University of Arizona, Tucson, Ariz. 1936.

CURRAN, T. BAILEY, Professor and Head of Industrial Engineering, Metallurgy and Chemistry Dept., Bridgeport Engineering Institute, Bridgeport, Conn. 1949.

CURRAN, THOMAS M., Professor of Naval Architecture, Webb Institute of Naval Architecture, Glen Cove, Long Island, N. Y. 1943.

CURRY, WALTER A., Professor and Executive Officer of Electrical Engineering, Columbia University, New York, N. Y. 1928.

CURTIS, CHARLES V., Director of Technical Publications, Central Radio and Television Schools, Kansas City, Mo. 1950.

CURL, GAROLD W., Technical Advisor, Dept. of Advanced Courses, U. S. Air Force Technical School, Belleville, Ill. (Mail: c/o Gen. Del., Ames, Iowa.) 1950.

CURTIS, DONALD D., Professor and Head, Dept. of Mechanics and Hydraulics, Clemson College, Clemson College, S. C. 1923.

CURTIS, FRANCIS J., Vice President, Monsanto Chemical Co., St. Louis, Mo. 1949.

CUSHING, ROBERT F., Educational Specialist, U. S. Air Force Technical School, Belleville, Ill. 1950.

CUSHMAN, OTIS F., Associate Professor of Engineering Drawing, Northeastern University, Boston, Mass. 1948.

CUTSHALL, CHESTER S., Professor of Engineering Mechanics, Purdue University, Lafayette, Ind. 1941.

CUTTS, CHARLES E., Associate Professor of Civil Engineering, University of Florida, Gainesville, Fla. 1949.

DAASCH, HARRY L., Professor and Chairman, Dept. of Mechanical Engineering, University of Kansas, Lawrence, Kans. 1947.

DAGGETT, P. H., Rutgers University (Retired), New Brunswick, N. J. (*Member of Council, 1921–24; Vice President, 1935–36.*) 1910.

DAHL, GUSTAV C., Engineer, Jackson & Moreland, Engineers, 600 Park Square Bldg., Boston 16, Mass. 1932.

DAILEY, LAURENCE T., Assistant Professor of Chemical Engineering, Southwestern Louisiana Institute, Lafayette, La. 1947.

DAILY, EUGENE J., Assistant Professor of Civil Engineering, University of Illinois, Urbana, Ill. 1950.

DAKAN, ARTHUR W., Lecturer of Engineering, University of Southern California, Los Angeles, Calif. 1947.

DAKE, EARL D., Dean and Professor of Civil Engineering, South Dakota School of Mines, Rapid City, S. D. 1940.

DALESSIO, JOHN, Assistant Professor of Civil Engineering, Stevens Institute of Technology, Hoboken, N. J. 1948.

DALEY, JOHN L., Professor of Electrical Engineering, U. S. Naval Academy, Annapolis, Md. 1940.

DALLAVALLE, JOSEPH M., Professor of Chemical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1949.

DALTON, BLANCHE H., Librarian, University of California, Berkeley, Calif. 1944.

DALY, JEROME J., Associate Professor of Mining Engineering, University of North Dakota, Grand Forks, N. D. 1946.

DALZELL, J. RALPH, Managing Editor, Editorial Dept., American Technical Society, Chicago, Ill. 1949.

D'AMATO, GUY A., Instructor in Engineering Drawing, Tufts College, Medford, Mass. 1944.

DAMM, JOHN A., Assistant Dean, Stevens Institute of Technology, Hoboken, N. J. 1947.

DAMODARAN, GOVINDASWAMY R., Director, Electrical and Mechanical Engineering Education, P. S. G. Industrial Institute, Coimbatore, India. 1949.

DANA, FOREST C., Professor of General Engineering, Iowa State College, Ames, Iowa. 1923.

DANA, HOMER J., Director, Engineering Experiment Station, Washington State College, Pullman, Wash. 1947.

DANFORTH, HOWARD E., Instructor in Mechanical Drawing, Arlington High School, Arlington, Mass. 1946.

DANGEL, HERBERT A., Associate Professor of Mathematics, University of Cincinnati, Cincinnati, Ohio. (*Member of Council, 1946–47.*) 1944.

DANIEL, KENNETH R., Chief Engineer, American Cast Iron Pipe Co., Birmingham, Ala. 1948.

DANIEL, LAWRENCE R., Assistant Professor of Mechanical Engineering, Louisiana Polytechnic Institute, Ruston, La. 1948.

DANIEL, LEE, Assistant Professor of Engineering Drawing, University of Notre Dame, Notre Dame, Ind. 1945.

DANIELS, JOSEPH, Professor of Mining Engineering and Metallurgy, University of Washington, Seattle, Wash. 1910.

DANIELS, WALTER T., Associate Professor of Civil Engineering, Howard University, Washington, D. C. 1942.

DANIELSON, DURWARD C., Instructor in Chemical Engineering, Kansas State College, Manhattan, Kans. 1949.

DANNER, ELLIS, Associate Professor of Civil Engineering, University of Illinois, Urbana, Ill. 1947.

D'APPOLONIA, ELIO, Assistant Professor of Civil Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1948.

DARBY, HARRY, Chairman of the Board, The Darby Corporation, Kansas City, Kans. 1949.

DART, JACK C., Director, Research Dept., Houdry Process Corp., Moylan, Pa. 1949.

DASKIN, WALTER, Instructor in Mechanical Engineering, The Johns Hopkins University, Baltimore, Md. 1949.

DAUGHERTY, ROBERT L., Professor of Mechanical Engineering, California Institute of Technology, Pasadena, Calif. 1942.

DAUGHERTY, VON ROY, Assistant Director, Technical Extension Division, Purdue University, West Lafayette, Ind. 1948.

DAVENPORT, WILBUR B., JR., Assistant Professor of Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1946.

DAVEY, JOHN T., Assistant Professor of Mechanical Engineering, University of Toledo, Toledo, Ohio. 1946.

DAVID, WILLIAM J., Assistant Prof. of Mechanical Engineering, Wayne University, Detroit, Mich. 1948.

DAVIDSON, DARYL E., Research Engineer, Research Labs., General Electric Co., Knolls Atomic Power Lab., 425 Peek St., Schenectady, N. Y. 1947.

DAVIDSON, DONALD T., Associate Professor of Civil Engineering, Iowa State College, Ames, Iowa. 1948.

DAVIDSON, HAROLD O., Assistant Professor of Mining Engineering, Colorado School of Mines, Golden, Colo. 1947.

DAVIDSON, HAROLD O., Instructor in Industrial Engineering, Ohio State University, Columbus, Ohio. 1949.

DAVIDSON, J. BROWNLEE, Professor of Agricultural Engineering, Iowa State College, Ames, Iowa. *Life member.* 1915.

DAVIDSON, WOODROW W., Associate Professor of Engineering, Arlington State College, Arlington, Texas. 1947.

DAVIES, C. E., Secretary, American Society of Mechanical Engineers, 29 West 39th Street, New York, N. Y. (*Member of Council, 1934–37.*) 1925.

D'AVINO, RALPH F., Associate Professor of Electrical Engineering, 27 43rd St., Sea Isle City, N. J. 1948.

DAVIS, ALTON F., Secretary, The James F. Lincoln Arc Welding Foundation, 12818 Colt Road, Cleveland, Ohio. 1942.

DAVIS, ARTHUR W., Assistant Professor of Theoretical and Applied Mechanics, Iowa State College, Ames, Iowa. 1943.

DAVIS, CHARLES M., Assistant Professor of Petroleum Engineering, Missouri School of Mines, Rolla, Mo. 1949.

DAVIS, CHARLES P., Instructor in Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

DAVIS, DENT C., Assistant Professor of Chemical Engineering, University of Denver, Denver, Colo. 1949.

DAVIS, DONALD W., Assistant Professor of Electrical Engineering, Villanova College, Villanova, Pa. 1947.

DAVIS, FRANCIS W., Professor and Chairman, Photography Dept., Ohio State University, Columbus, Ohio. 1949.

DAVIS, GEORGE G., Training Supervisor, Industrial Relations, Republic Steel Corp., Buffalo, N. Y. 1949.

DAVIS, GEORGE W., Associate Professor and Director, Division of Mechanic Arts, Virginia State College, Petersburg, Va. 1943.

DAVIS, HARMER E., Professor of Civil Engineering and Acting Director, Institute of Transportation and Traffic Engineering, University of California, Berkeley, Calif. 1933.

DAVIS, HAROLD S., Assistant Professor of Civil Engineering, State College of Washington, Pullman, Wash. 1949.

DAVIS, HARVEY N., President, Stevens Institute of Technology, Hoboken, N. J. (*Member of Council, 1934–37.*) 1929.

DAVIS, HOWARD L., Special Lecturer in Personnel Relations, Newark College of Engineering, Newark, N. J. 1929.

DAVIS, JESS H., President, Clarkson College of Technology, Potsdam, N. Y. 1942.

DAVIS, LOUIS E., Assistant Professor of Mechanical Engineering, University of California, Berkeley, Calif. 1947.

DAVIS, PEARCE, Chairman, Depts. of Business, Economics and Industrial Engineering, Illinois Institute of Technology, Chicago, Ill. 1949.

DAVIS, RALPH H., Supervisor of Engineering Training, Westinghouse Electric Corp., East Pittsburgh, Pa. 1948.

DAVIS, RAYMOND E., Professor of Civil Engineering, Director, Engineering Materials Laboratory, University of California, Berkeley, Calif. 1913.

DAVIS, ROLAND P., Dean, College of Engineering, West Virginia University, Morgantown, W. Va. 1932.

DAVIS, STEPHEN S., Associate Professor of Mechanical Engineering, Howard University, Washington, D. C. 1941.

DAVIS, W. KENNETH, Associate Professor of Engineering, University of California, Los Angeles, Calif. 1949.

DAVIS, WATSON M., Professor of Mathematics and Engineering, Cornell College, Mount Vernon, Iowa. 1939.

DAVIS, WELLS L., Assistant Professor of Electrical Engineering, Ohio State University, Columbus, Ohio. 1948.

DAVIS, WILLIAM C., Assistant Professor of Electrical Engineering, Ohio State University, Columbus, Ohio. 1948.

DAVISON, ALBERT W., Director of Research, Owens-Corning Fiberglas Corp., Newark, Ohio. 1936.

DAWES, CHESTER L., Associate Professor of Electrical Engineering, Harvard University, Cambridge, Mass. (*Member of Council, 1946–47.*) 1915.

DAWES, LYMAN M., Assistant Professor Emeritus of Industrial Applications, Massachusetts Institute of Technology, Cambridge, Mass. 1926.

DAWSON, CHARLES H., Associate Professor and Acting Chairman of Electrical Engineering, University of Rochester, Rochester, N. Y. 1939.

DAWSON, EUGENE F., Professor and Director, School of Mechanical Engineering, University of Oklahoma, Norman, Okla. 1942.

DAWSON, FRANCIS M., Dean, College of Engineering, State University of Iowa, Iowa City, Iowa. (*Vice President, 1947–50; President, 1950–51; Member of Council, 1941–44.*) 1910.

DAWSON, JOHN D., Director, Personnel Placement, Antioch College, Yellow Springs, Ohio. 1949.

DAWSON, JOHN H., Associate Professor of Civil Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1950.

DAWSON, RAYMOND F., Professor of Civil Engineering and Associate Director, Bureau of Engineering Research, University of Texas, Austin, Texas. 1935.

DAY, EMMETT E., Assistant Professor of Mechanical Engineering, University of Washington, Seattle, Wash. 1949.

DAY, MARION S., Manager, Placement and Personnel, Case Institute of Technology, Cleveland, Ohio. 1949.

DEAN, JOHN E., Professor of Electrical Engineering, Texas College of Arts & Industries, Kingsville, Texas. 1943.

DEANE, CHARLES W., General Engineering Manager, Lever Bros. Co., New York, N. Y. 1947.

DE BAUFRE, WM. L., Chairman, Department of Engineering Mechanics, University of Nebraska, Lincoln, Nebr. (*Member of Council, 1949–51.*) 1920.

DE CAMP, HAROLD E., Superintendent, Manufacturing Engineering, Western Electric Co., Chicago, Ill. 1949.

DECAROLIS, JULIUS J., Assistant Professor, Engineering Experiment Station, The Pennsylvania State College, State College, Pa. 1948.

DECHANT, WILLIAM G., Assistant Professor of Electrical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1950.

DECKER, FLOYD A., Professor and Chairman, Department of Electrical Engineering, Texas Western College, El Paso, Texas. 1940.

DEERE, DON U. 1947.

DE FRANCISCI, JOSEPH J., Professor and Head, Elec. Tech. Dept., New York State Institute of Applied Arts and Sciences, Brooklyn, N. Y. 1948.

DE GARMO, E. PAUL, Professor of Mechanical Engineering, University of California, Berkeley, Calif. 1939.

DE HART, ROBERT C., Associate Professor of Civil Engineering, Montana State College, Bozeman, Mont. 1947.

DEICHERT, ROBERT W., Instructor in Electrical Engineering, Pratt Institute, Brooklyn, N. Y. 1950.

DEISTER, WILLIAM A., Instructor, Technical Department, Central Radio and Television Schools, Kansas City, Mo. 1950.

DELANEY, WARD, Exec. Director, Oscar Johnson Cotton Foundation, Charlottesville, Va. 1944.

De Lee, John L., Assistant Professor of Engineering Drawing, Rensselaer Polytechnic Institute, Troy, N. Y. 1947.

De Leon, Rafael, Dean, Facultad de Ciencias, Universidad Central de Venezuela, Caracas, Venezuela, South America. 1950.

Delich, Michael, Instructor in Mechanical Engineering, Michigan State College, East Lansing, Mich. 1950.

Dell, George H., Associate Professor of Civil Engineering, University of Illinois, Urbana, Ill. 1932.

Deller, Anthony W., Lecturer in Chemical Engineering, Princeton University, Princeton, N. J. 1940.

Deller, Russel A., Employment Director, Personnel, Bell Telephone Laboratories, 463 West Street, New York, N. Y. (*Member of Council, 1944–47.*) 1931.

Del Mastro, Anthony J., Assistant Professor of Civil Engineering, Rutgers University, New Brunswick, N. J. 1948.

Delmonte, John, Professor of Mechanical Engineering, West Coast University, Los Angeles, Calif. 1949.

de Lorenzi, Otto, Director of Education, Combustion Engineering-Superheater, Inc., New York, N. Y. 1949.

de Losada y Puga, Cristobal, Dean Facultad de Ingenieria, Universidad Catolica del Peru, Lima, Peru, S. A. 1945.

Deltoro, Vincent, Instructor in Electrical Engineering, College of the City of New York, New York, N. Y. 1950.

De Luca, Edward D., Associate Professor of Administrative Engineering, Pratt Institute, Brooklyn, N. Y. 1949.

Del Vecchio, Alfred J., Instructor in Mechanical Engineering, Manhattan College, New York, N. Y. 1948.

Demaree, Kenneth B., Editor, Science and Technical Books, Harper and Brothers, 49 East 33rd Street, New York City. 1947.

Dembski, Marion V. J., Graduate Student in Education, De Paul University, Chicago, Ill. 1947.

Demirjian, George. 1949.

de Morais Rego, M. A., Director, Escola de Engenharia de Peruambuco, Recife, Brazil, S. A. 1948.

De Moyer, Robert, Associate Professor of Mechanics, Lafayette College, Easton, Pa. 1938.

Den Hartog, Jacob P., Professor of Mechanical Engineering, University of Washington, Seattle, Wash. 1950.

Denis, Brother A., Professor and Head, Dept. of Engineering Drawing, Manhattan College, New York City. 1939.

Dennis, Thomas M., Instructor in Mechanics, Michigan College of M. & T., Houghton, Mich. 1950.

Denny, C. E., Instructor in Mathematics, Central College, Fayette, Mo. 1950.

Dent, Harold M., Administrative Chairman of Industrial Engineering, General Motors Institute, Flint, Mich. 1946.

Dent, John A., Assistant Professor and Lecturer of Mechanical Engineering, University of Florida, Gainesville, Fla. 1911.

Dent, Joseph B., Associate Professor of Graphics, Virginia Polytechnic Institute, Blacksburg, Va. 1935.

Deptula, Alfred R., Instructor of Mechanics, Fenn College, Cleveland, Ohio. 1949.

Derby, Elles M., Manager, Management Education, Metropolitan Life Insurance Co., New York 10, N. Y. (Home: 37 Reynen Court, Ridgewood, N. J.) 1949.

Derleth, Chas., Jr., Professor Emeritus of Civil Engineering, University of California, Berkeley, Calif. *Life member.* 1904.

Dermer, Richard D., Chairman, Electrical Engineering Dept., Indiana Technical College, Fort Wayne, Ind. 1950.

Derwin, James V., 1611 Dukeland Street, Baltimore 16, Md. 1945.

Deschere, Allen R., Associate Professor of Mechanical Engineering, University of Colorado, Boulder, Colo. 1946.

De Spain, Wallis J., Instructor in Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1948.

Dessauer, Walter E., Assistant Professor of Drawing, Tulane University, New Orleans, La. 1948.

De Vaney, Amogene F., Associate Professor of Engineering, Amarillo College, Amarillo, Texas. 1948.

Devine, James J., Professor of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1930.

Devine, J. James, Associate Professor of Engineering Drawing, Northeastern University, Boston, Mass. 1935.

Devor, Elmer L., Industrial Engineer, U. S. Rubber Co., 2638 N. Pulaski Rd., Chicago 39, Ill. 1938.

Dewey, Harry M., Director and Associate Professor of Agricultural Engineering, Idaho State College, Pocatello, Idaho. 1950.

De Witt, Clyde C., Professor of Chemical Engineering and Director, Engineering Experiment Station, Michigan State College, East Lansing, Mich. 1947.

Deyo, Donald E., John Wiley & Sons, Inc., 440 Fourth Ave., New York 16, N. Y. 1948.

De Young, Russell, Vice President, Goodyear Tire and Rubber Co., Akron, Ohio. 1948.

Diakoff, Alexis J., Consulting Engineer, American Locomotive Co., Schenectady 5, N. Y. 1938.

Diboll, Wallace B., Instructor in Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1947.

Dick, Edwin G., Assistant Professor of Mathematics and Physics, Ottawa University, Ottawa, Kans. 1946.

Dicker, Paul E., Instructor in Electrical Engineering, Princeton University, Princeton, N. J. 1948.

Dickey, Donald W., Assistant Prof. of Electrical Engineering, Newark College of Engineering, Newark, N. J. 1944.

Dickinson, Charles E., Assistant Professor of Landscape Architecture, Lincoln University, Jefferson City, Mo. 1947.

Dickinson, John L., Chief Engineer, Engineering School, Cal-Aero Technical Institute, Glendale, Calif. 1944.

Dicks, Robert S., Associate Professor of Chemical Engineering, University of Houston, Houston, Texas. 1948.

Dietrich, H. F., Instructor in Shop Practice, Kansas State College, Manhattan, Kans. 1949.

Dietz, Albert G. H., Associate Professor of Building Engineering and Construction, Massachusetts Institute of Technology, Cambridge, Mass. 1940.

Dietz, Jess C., Associate Professor of Sanitary Engineering, University of Illinois, Urbana, Ill. 1948.

Diffendorf, Adelbert, Professor and Head, Dept. of Civil Engineering, University of Utah, Salt Lake City, Utah. 1922.

Dillard, Joseph K., Instructor in Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1949.

Dillaway, Robert B., Instructor in Mechanical Engineering, University of Illinois, Urbana, Ill. 1950.

Dillenbeck, Harold L., Instructor in Engineering, Pennsylvania State College, State College, Pa. 1950.

Dillingham, Harley C., Professor of Electrical Engineering, A. & M. College of Texas, College Station, Texas. 1929.

DILLMAN, GROVER C., President, Michigan College of Mining and Technology, Houghton, Mich. 1936.

DILLON, FRANCIS J., 1209 Boyle St., Pittsburgh, Pa. 1947.

DILLON, JOHN C., Lecturer and Principal, Engineering Extension, University of California, Los Angeles, Calif. 1950.

DIMATTEO, JOHN E., Instructor in Engineering Drawing, Jersey City Junior College, Jersey City, N. J. 1952.

DINKER, JOHN D., Associate Professor of Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1947.

DINNING, JOHN R., Lecturer in Engineering, University of California Los Angeles, Calif. 1950.

D'ISA, FRANK A., Assistant Professor of Mechanical Engineering, Youngstown College, Youngstown, Ohio. 1949.

DISQUE, FREDERICK C., Associate Professor and Head, Dept. of Chemistry, Pratt Institute, Brooklyn, N. Y. 1940.

DISQUE, ROBERT C., Dean, College of Engineering, Drexel Institute of Technology, Philadelphia, Pa. (*Member of Council, 1928–31.*) 1927.

DISTLER, THEODORE A., President, Franklin and Marshall College, Lancaster, Pa. 1928.

DITTFACH, JOHN H., Assistant Professor of Mechanical Engineering, University of Massachusetts, Amherst, Mass. 1950.

DIX, L. E., Professor of Mathematics, Norwich University, Northfield, Vt. 1917.

DIXLER, DANIEL S., Instructor in Chemistry, Pratt Institute, Brooklyn, N. Y. 1948.

DIXON, DON P., Professor and Acting Head of Mechanical Drawing, Louisiana State University, University, La. 1935.

DIXON, HARRY S., Professor and Chairman, Dept. of Electrical Engineering, North Dakota Agricultural College, Fargo, N. D. 1938.

DOAN, GILBERT E., Professor and Head, Dept. of Metallurgical Engineering, Lehigh University, Bethlehem, Pa. 1936.

DOBBINS, GEORGE S., Associate Professor of Engineering Drawing and Machine Design, University of Colorado, Boulder, Colo. 1944.

DOBROVOLNY, JERRY S., Instructor in General Engineering Drawing, University of Illinois, Urbana, Ill. 1949.

DODD, CHARLES M., Professor and Head, Dept. of Ceramic Engineering, Iowa State College, Ames, Iowa. 1937.

DODD, ROBERT W., President, Cogswell Polytechnical College, San Francisco, Calif. 1950.

DODDS, JOHN S., Professor of Civil Engineering, Iowa State College, Ames, Iowa. 1928.

DODDS, ROBERT H., Associate Editor, *Engineering News-Record*, 330 W. 42nd St., New York, N. Y. 1946.

DODGE, BARNETT F., Professor and Chairman, Dept. of Chemical Engineering, Yale University, New Haven, Conn. 1937.

DODGE, ELDON R., Professor and Head, Dept. of Civil Engineering, Montana State College, Bozeman, Mont. 1942.

DODGE, ENCEL H., Assistant Professor of Chemical Engineering, Texas Technical College, Lubbock, Texas. 1947.

DODGE, HOMER L., President Emeritus, Norwich University, Northfield, Vt. (*Member of Council, 1942–48.*) 1919.

DODGE, JAMES C., Associate Professor of Mechanical Engineering, Colorado A. & M. College, Fort Collins, Colo. 1948.

DODGE, RUSSELL A., Professor of Engineering Mechanics, University of Michigan, Ann Arbor, Mich. 1938.

DODSON, CHARLES R., Professor and Head, Dept. of Petroleum Engineering, University of Southern California, Los Angeles, Calif. 1947.

DOERINGSFELD, HARRY A., Professor of Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1932.

DOERR, LAWRENCE O., Associate Professor of Mechanical Engineering, North Dakota Agricultural College, Fargo, N. D. 1935.

DOGGETT, LEONARD A., Professor Emeritus of Electrical Engineering, Pennsylvania State College, State College, Pa., and Visiting Professor of Electrical Engineering, Bucknell University, Lewisburg, Pa. 1914.

DOHRENWEND, CLAYTON O., Dept. of Mechanics, Rensselaer Polytechnic Institute, Troy, N. Y. 1935.

DOIG, EARL M., Vice President, Great Lakes Steel Corp., Detroit, Mich. 1949.

DOKE, H. B., Assistant Professor of Drawing, University of Wisconsin, Madison, Wis. 1946.

DOLL, ALFRED W., Professor and Head, Dept. of Physics, Pratt Institute, Brooklyn, N. Y. 1926.

DOLVE, ROBERT M., Dean, School of Engineering, North Dakota Agricultural College, Fargo, N. D. 1926.

DOMAN, CARL T., Ford Division, Ford Motor Company, Detroit, Mich. 1946.

DOMONOSKE, ARTHUR B., Executive Head (Retired), Department of Mechanical Engineering, Stanford University, Stanford, Calif. (*Member of Council, 1935–38.*) 1913.

DONAHEY, MICHAEL H., 2612 Ninth Ave., Oakland 6, Calif. 1945.

DONAHUE, THOMAS L., Professor of English, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1948.

DONALDSON, CYRIL, Instructor in Mechanical Engineering, Rochester Institute of Technology, Rochester, N. Y. 1945.

DONNELL, LLOYD H. 1939.

DONNELL, PHILIP S., Vice President, Oklahoma A. & M. College, Stillwater, Okla. 1927.

DONNELEY, HAROLD G., Associate Professor of Chemical Engineering, Wayne University, Detroit, Mich. 1943.

DONOVAN, EDWARD T., Professor and Head, Dept. of Mechanical Engineering, University of New Hampshire, Durham, N. H. 1929.

DONOVAN, ROBERT E., Assistant Professor of Mathematics, University of Dayton, Dayton, Ohio. 1948.

DOODY, THOMAS C., Associate Professor of Chemical Engineering, Purdue University, Lafayette, Ind. 1939.

DOOLEY, CHANNING R., Director, Training Within Industry Foundation, Summit, N. J. (*Member of Council, 1929–32.*) *Life member.* 1907.

DOOLITTLE, JESSE S., Professor of Mechanical Engineering, North Carolina State College, Raleigh, N. C. 1929.

DOREMUS, HAL C., Director, Division of Engineering, Tarleton State College, Stephenville, Texas. 1946.

DORMAN, STUART C., Manager, College Dept., McGraw-Hill Book Co., 330 W. 42nd Street, New York 18, N. Y. 1947.

DORNBERGER, WERNER W., Associate Professor of Architectural Engineering, University of Texas, Austin, Texas. 1938.

DORNEY, ELLSWORTH E. 1948.

DORR, JOHN V. N., Chairman of the Board, The Dorr Company Engineers, New York, N. Y. 1949.

DORSEY, LEROY H., 509 South Wabash Avenue, Chicago 5, Ill. 1949.

DOTTERWEICH, FRANK H., Director, Division of Engineering, Texas College of A. & I., Kingsville, Texas. 1946.

DOTY, L. DONALD, Consulting Engineer, 4029 Beresford Street, San Mateo, Calif. 1930.

DOTY, ROBERT L., Instructor in Electrical Engineering, Iowa State College, Ames, Iowa. 1950.

DOUGHERTY, C. R. G., Associate Professor of Mechanical Engineering, Rutgers University, New Brunswick, N. J. 1948.

DOUGHERTY, N. W., Dean of Engineering, University of Tennessee, Knoxville, Tenn. (*First Vice President, 1944–46; Member of Council, 1941–44.*) 1937.

DOUGHTIE, VENTON L., Professor and Chairman of Mechanical Engineering, University of Texas, Austin, Texas. 1930.

DOUGLAS, EARL C., Director, Vocational Education, Joliet Junior College, Joliet, Ill. 1930.

DOUGLAS, JOHN F. H., Professor and Head, Dept. of Electrical Engineering, Marquette University, Milwaukee, Wis. 1910.

DOUGLAS, MALCOLM S., Associate Professor of Civil Engineering, Case School of Applied Science, Cleveland, Ohio. 1925.

DOUGLASS, CLARENCE E., Assistant Professor of General Engineering, University of Washington, Seattle, Wash. 1943.

DOUGLASS, DAVID R., Instructor in General Engineering, University of Washington, Seattle, Wash. 1950.

DOUGLASS, IRWIN B., Professor and Head, Dept. of Chemistry, University of Maine, Orono, Maine. 1941.

DOUGLASS, RAYMOND D., Professor of Mathematics, Massachusetts Institute of Technology, Cambridge, Mass. 1937.

DOUTT, RALPH E., Assistant Professor of Mathematics, South Dakota, School of Mines and Technology, Rapid City, S. D. 1947.

DOW, BENJAMIN L., Acting Head, Dept. of Aeronautical Engineering, Indiana Technical College, Fort Wayne, Ind. 1948.

DOW, FREDERIC A., JR., Principal, Long Beach Evening High School, Long Beach, Calif. 1943.

DOW, WILLIAM G., Professor of Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1929.

DOWD, MERLE E., Assistant Professor of Cooperative Education, Northwestern University, Evanston, Ill. 1949.

DOWDELL, RALPH L., Professor and Head, Dept. of Metallurgy, University of Minnesota, Minneapolis, Minn. 1945.

DOWELL, DAWSON, Professor of Mechanical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1936.

DOWLING, EDWARD J., Assistant Professor of Engineering Drawing, University of Detroit, Detroit, Mich. 1942.

DOWLING, JOSEPH J., Acting Evening School Supervisor, Engineering Department, Pratt Institute, Brooklyn 5, N. Y. 1948.

DOWMAN, W. S., Personnel Manager, S. C. Johnson & Son, Inc., Racine, Wis. 1941.

DOWNEY, GLENN L., Instructor in Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1947.

DOWNING, CHARLES G. E., Professor and Head, Dept. of Agricultural Engineering, Ontario Agricultural College, Guelph, Ont., Canada. 1947.

DOWNING, DONALD G., Professor of Mechanical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1934.

DOWNING, LEWIS K., Dean and Professor of Civil Engineering, Howard University, Washington, D. C. 1929.

DOWNING, RODERICK L., Professor of Civil Engineering, University of Colorado, Boulder, Colo. 1926.

DOWNS, JAMES B. T., Professor of Mechanical Engineering, University of West Virginia, Morgantown, W. Va. 1939.

DOWS, HAROLD W., Professor of Mechanical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1934.

DOYLE, FRANK B., Research Director, Guardite Corp., Chicago, Ill. 1925.

DOYLE, JAMES P., Engineer, Gibbs & Cox, Inc., New York, N. Y. 1947.

DOYLE, ROBERT E., Instructor in Drawing, University of Wisconsin, Madison, Wis. 1950.

DRAFFIN, JASPER O., Professor of Theoretical and Applied Mechanics, University of Illinois, Urbana, Ill. 1917.

DRAPER, CHARLES S., Professor of Aeronautical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1945.

DRAUGHON, RALPH B., President, Alabama Polytechnic Institute, Auburn, Ala. 1949.

DRECHSLER, FRANK S., Instructor in Mechanical Engineering, University of Delaware, Newark, Del. 1950.

DREESE, E. E., Professor and Chairman of Electrical Engineering, The Ohio State University, Columbus, Ohio. 1929.

DREHER, GEORGE K., Executive Director, Foundry Educational Foundation, Cleveland 13, Ohio. 1947.

DREW, THOMAS B., Professor and Head, Dept. of Chemical Engineering, Columbia University, New York City. 1940.

DRIER, ROY W., Professor of Metallurgy, Michigan College of M. & T., Houghton, Mich. 1938.

DRIFTMIER, RUDOLPH H., Professor and Head, Agricultural Engineering Dept., University of Georgia, Athens, Ga. 1949.

DRINKER, PHILIP, Professor of Industrial Hygiene, Harvard School of Public Health, Boston, Mass. 1950.

DRINKWATER, WILLIAM D., Aero. Engr., Research, U. S. N. O. T. S., Inyokern, China Lake, Calif. 1947.

DRISCOLL, GEORGE F., Assistant Professor of Civil Engineering, University of Notre Dame, Notre Dame, Ind. 1947.

DRISCOLL, WILLIAM G., Associate Professor of Physics and Mathematics, Villanova College, Villanova, Pa. 1939.

DROPKIN, DAVID, Associate Professor of Mechanical Engineering, Cornell University, Ithaca, N. Y. 1946.

DROUGHT, ARTHUR B., Director of Electrical Engineering, Marquette University, Milwaukee, Wis. 1949.

D'ROZARIO, ALBERT M., Education Attache, Embassy of India, Washington, D. C. 1948.

DRY, RICHARD R., Director, New York State Institute of Applied Arts and Sciences, Buffalo, N. Y. 1948.

DUBA, JOHN G., Instructor in Civil Engineering, Illinois Institute of Technology, Chicago 16, Ill. 1949.

DU BOSE, LAWRENCE A., Instructor in Civil Engineering, Texas A. & M. College, College Station, Texas. 1950.

DUBOSKY, STEPHEN W., Professor of Physics, Detroit Institute of Technology, Detroit, Mich. 1947.

DUCHESNE, RODERICK C., Assistant Professor of Agricultural Engineering, Louisiana Polytechnic Institute, Ruston, La. 1948.

DUCKER, WILLIAM L., Professor of Petroleum Engineering, Texas Technological College, Lubbock, Texas. 1948.

DUCKERING, W. E., Dean, University of Washington, Seattle, Wash. 1917.

DUDEK, EDWARD F., Instructor in Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1947.

DUDLEY, BEVERLY, Editor, *The Technology Review*, Massachusetts Institute of Technology, Cambridge, Mass. 1942.

DUDLEY, SAMUEL W., Dean, Emeritus, School of Engineering, Yale University, New Haven, Conn. (*Member of Council, 1936–39.*) 1921.

DUDZIK, CHESTER J., Instructor in Machine Design, Purdue University, Lafayette, Ind. 1950.

DUESTERHOEFT, WILLIAM C., Instructor in Electrical Engineering, University of Texas, Austin, Texas. 1948.

DUFF, CARL M., Professor of Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1912.

DUGGAN, LEO F., Registrar, Michigan College of M. & T., Houghton, Mich. 1945.

DUHNE, CARLOS, Head, Chemistry Dept., Instituto Tecnologico de Monterrey, Monterrey, N. L., Mexico. 1950.

DUKE, ALBERT L., Instructor in Electrical Engineering, Tenn. Tech., Rt. No. 1, Cookeville, Tenn. 1950.

DUKE, C. MARTIN, Associate Professor of Engineering, University of California, Los Angeles, Calif. 1939.

DUMBLE, WILSON R., Assistant Professor of English, The Ohio State University, Columbus, Ohio. (*Member of Council, 1946–47.*) 1932.

DUMKE, WALTER H., Associate Professor of Chemistry, Colorado School of Mines, Golden, Colo. 1947.

DUNCAN, ALLEY H., Assistant Professor of Mechanical Engineering, Kansas State College, Manhattan, Kans. 1948.

DUNCAN, DAVID C., Professor of Physics, The Pennsylvania State College, State College, Pa. 1939.

DUNCAN, DONALD S., Assistant Professor of Physics, Pratt Institute, Brooklyn, N. Y. 1938.

DUNCAN, JAMES M., Assistant Professor of Chemical Engineering, University of Florida, Gainesville, Fla. 1949.

DUNCAN, SYDNEY F., Professor and Head, Dept. of Mechanical Engineering, University of Southern California, Los Angeles, Calif. 1937.

DUNCOMBE, CHARLES G., Professor of Chemical Engineering, University of Detroit, Detroit, Mich. 1936.

DUNHAM, CLARENCE W., Associate Professor of Civil Engineering, Yale University, New Haven, Conn. 1934.

DUNHAM, ROBERT S., Assistant General Industrial Relations Manager, Ford Motor Co., Dearborn, Mich. 1949.

DUNHOLTER, RUSSELL J., Associate Professor of Mechanics, University of Cincinnati, Cincinnati, Ohio. 1943.

DUNKERLEY, PAUL A., Instructor in Civil Engineering, Tufts College, Medford, Mass. 1949.

DUNLAP, A. LEE, Professor of Mechanical Engineering, Tulane University, New Orleans, La. 1934.

DUNLAP, F. HOWARD, College Representative, Division of General Publishing, International Textbook Co., Scranton, Pa. 1946.

DUNLAP, L. T., Associate Professor of Mathematics, The Pennsylvania State College, State College, Pa. 1945.

DUNLEVEY, DAVID B., Recruiting and Training, Ind. Rel. Div., Buckeye Cotton Oil Co., Memphis, Tenn. 1949.

DUNLOP, JOHN A., Dean of Academic Administration, Rensselaer Polytechnic Institute, Troy, N. Y. 1937.

DUNN, CLARK A., Vice Director, Engineering Experiment Station, Oklahoma A. & M. College, Stillwater, Okla. 1942.

DUNN, COLON H., Assistant Professor of Electrical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1942.

DUNN, JOHN W., Associate Professor of Engineering, University of Wichita, Wichita, Kans. 1949.

DUNNING, JOHN R., Dean of Engineering School, Columbia University, New York, N. Y. 1949.

DUNSTAN, GILBERT H., Professor of Sanitary Engineering, University of Alabama, University, Ala. 1928.

DU PLANTIER, DONALD A., Professor of Civil Engineering, Vanderbilt University, Nashville, Tenn. 1949.

DUPRIEST, JOHN R., Professor Emeritus of Mechanical Engineering, University of Minnesota, Minnneapolis, Minn. 144 Melbourne Ave., S.E., Minneapolis 14, Minn. 1919.

DURAN, SERVET A., Assistant Professor of Physical Metallurgy, State College of Washington, Pullman, Wash. 1949.

DURAND, W. F., Professor Emeritus, Stanford University, Calif. *Life member.* 1899.

DURKEE, FRANK M., Associate Professor of English, Newark College of Engineering, Newark, N. J. 1946.

DURLAND, M. A., Dean and Director, School of Engineering and Architecture, Kansas State College, Manhattan, Kans. 1926.

DURYEA, DAVID W., Instructor in Mechanical Engineering, Trenton Junior College, Trenton, N. J. 1948.

DUSINBERRE, G. M., Professor of Mechanical Engineering, Pennsylvania State College, State College, Pa. 1939.

DUTTON, DONNELL W., Director, Daniel Guggenheim School of Aeronautics, Georgia Institute of Technology, Atlanta, Ga. 1943.

DUTTON, HENRY P., Professor of Industrial Engineering, Illinois Institute of Technology, Chicago, Ill. 1935.

DUVALL, MELVIN G., Instructor in Chemistry, Ohio Mechanics Institute, Cincinnati, Ohio. 1950.

DUVALL, W. CLINTON, Professor and Head, Dept. of Electrical Engineering, University of Colorado, Boulder, Colo. 1919.

DWIGHT, CHARLES H., Assistant Professor of Physics, University of Cincinnati, Cincinnati, Ohio. 1948.

DWIGHT, RALPH W., Assistant Professor of Engineering Drawing, University of Detroit, Detroit, Mich. 1949.

DWINNEL, JAMES H., Associate Professor of Aeronautical Engineering, University of Washington, Seattle, Wash. 1950.

DWYER, JOSEPH S., Associate Professor of Industrial Engineering, Georgia Institute of Technology, Atlanta, Ga. 1947.

DWYER, ORRINGTON E., Chairman, Dept. of Chemical Engineering, University of Rochester, Rochester, N. Y. 1946.

DYCHE, H. E., Professor and Head, Dept. of Electrical Engineering, Director, Graduate Work in Industry, University of Pittsburgh, Pittsburgh, Pa. 1914.

DYER, WILBUR E., Instructor in Physics, De Paul University, Chicago, Ill. 1943.

EARL, E. PHILIP, Assistant Professor of Physics, Fenn College, Cleveland, Ohio. 1948.

EARLE, CHESTER K., Managing Editor, *Power Engineering,* 110 S. Dearborn, Chicago 3, Ill. 1922.

EARLE, SAMUEL B., Dean Emeritus of Engineering, Clemson College, Clemson, S. C. (*President, 1937–38; Vice President, 1935–36; Member of Council, 1927–30, 1937–46.*) 1912.

EARLY, JAMES M., Instructor in Electrical Engineering, The Ohio State University, Columbus, Ohio. 1948.

EARNEST, G. BROOKS, Professor of Civil Engineering, Case Institute of Applied Science, Cleveland, Ohio. 1940.

EASTHAM, JAMES N., Assistant Professor of Mathematics, Cooper Union, New York City. 1946.

EASTMAN, AUSTIN V., Professor and Head, Dept. of Electrical Engineering, University of Washington, Seattle, Wash. 1939.

EASTMAN, FRED S., Professor of Aeronautical Engineering, University of Washington, Seattle, Wash. 1949.

EASTON, ELMER C., Dean of Engineering, Rutgers University, New Brunswick, N. J. 1946.

EASTON, WILLIAM H., Professor of Mechanical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1944.

EATHERTON, LAUREL J., Instructor in Physics, South Dakota School of M. & T., Rapid City, S. D. 1949.

EATON, HAROLD D., Assistant Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1950.

EATON, JAMES R., Professor of Electrical Engineering, Purdue University, Lafayette, Ind. 1947.

EATON, PAUL B., Professor and Head, Department of Mechanical Engineering, Lafayette College, Easton, Pa. 1931.

EATON, PAUL C., Associate Professor of English, California Institute of Technology, Pasadena, Calif. 1950.

EBAUGH, NEWTON C., Consulting Engineer, Ebaugh & Goethe Consulting Engineers, 700 S.E. 3rd St., Gainesville, Fla. 1931.

EBERHART, HOWARD D., Professor of Civil Engineering, University of California, Berkeley, Calif. 1940.

EBERT, CHARLES H., JR., Placement Director, University of Pittsburgh, Pittsburgh 13, Pa. 1948.

EBERT, EDWARD D., Assistant Professor of General Engineering Drawing, University of Illinois, Urbana, Ill. 1948.

ECKEL, C. L., Dean, College of Engineering, Professor of Civil Engineering, University of Colorado, Boulder, Colo. (*Member of Council, 1934–37.*) 1914.

ECKEL, WILLIAM J., Instructor in Electrical Engineering, 78 Main Street, Andover, Mass. 1947.

ECKELS, ARTHUR R., Associate Professor of Electrical Engineering, North Carolina State College, Raleigh, N. C. 1948.

ECKERMAN, EDWARD H., Assistant Professor of Mechanical Engineering, Rose Polytechnic Institute, Terre Haute, Ind. 1943.

ECKHARDT, CARL J., JR., Professor of Mechanical Engineering, University of Texas, Austin, Texas. 1929.

ECKLE, JOHN N., Assistant Professor of Civil Engineering, Yale University, New Haven, Conn. 1928.

ECKMAN, DONALD P., Assistant Professor of Mechanics and Materials, Case Institute of Technology, Cleveland, Ohio. 1949.

EDDY, CORBIN T., Associate Professor of Metallurgy, Head, Dept. of Physical Metallurgy, Michigan College of M. & T., Houghton, Mich. 1937.

EDELL, GERARD M., Associate Professor of Chemical Engineering, Syracuse University, Syracuse, N. Y. 1936.

EDELMAN, CHARLES, Instructor in Refrigeration, New York State Agricultural and Technical Institute, Canton, N. Y. 1948.

EDGAR, ROBERT F., Professor and Head, Dept. of Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1920.

EDISON, OSKAR E., Professor of Electrical Engineering, University of Nebraska, Lincoln, Nebr. 1922.

EDMISON, HAROLD R., Instructor in Engineering, City College of San Francisco, San Francisco, Calif. 1950.

EDMONSON, GLENN V., Associate Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

EDSON, CHARLES G., Assistant Professor of Mechanics, University of Florida, Gainesville, Fla. 1949.

EDSON, WILLIAM A., Professor of Electrical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1948.

EDSTROM, ALFRED E., Instructor in Engineering, City College of San Francisco, San Francisco, Calif. 1944.

EDWARDS, FRANKLIN S., Acting Head, Dept. of Aeronautical Engineering, Mississippi State College, State College, Miss. 1945.

EDWARDS, FRANK W., Professor and Head, Dept. of Civil Engineering, Illinois Institute of Technology, Chicago, Ill. 1942.

EDWARDS, HENRY L., Associate Professor of Chemistry, Georgia Institute of Technology, Atlanta, Ga. 1944.

EDWARDS, JAMES L., Instructor in Mechanical Engineering, Clemson College, Clemson, S. C. 1947.

EDWARDS, JOHN C., Chief Plant Industrial Engineer, American Viscose Corp., Roanoke, Va. 1939.

EDWARDS, MILTON F., Head, Department of Structures and Aerodynamics, Academy of Aeronautics, LaGuardia Field, N. Y. 1948.

EGGERS, HENRY C. T., Professor of Drawing and Descriptive Geometry, University of Minnesota, Minneapolis, Minn. 1922.

EGILSRUD, FRIDTJOF S. 1928.

EGRY, C. ROBERT, Professor of Industrial Engineering, University of Notre Dame, Notre Dame, Ind. 1941.

EHRHART, RUSSELL R., Industrial Coordinator, Fenn College, Cleveland, Ohio. 1950.

EICHELBERGER, MAURICE B., Assistant Professor of Engineering Drawing, University of Michigan, Ann Arbor, Mich. 1948.

EICHLER, JOHN O., Associate Professor and Acting Head, Dept. of Civil Engineering, Cooper Union, New York, N. Y. 1939.

EIKENBERRY, ROBERT S., Associate Professor of Aeronautical Engineering, University of Notre Dame, Notre Dame, Ind. 1949.

EISENBERG, RICHARD F., Assistant Professor of Metallurgy, University of Rochester, Rochester, N. Y. 1948.

EKSE, MARTIN, Assistant Professor of Civil Engineering, University of Washington, Seattle, Wash. 1947.

ELBIN, GUY H., Construction Engineer, Franklin County, Ohio, Columbus, Ohio. 1924.

ELCONIN, VICTOR, Dean, College of Engineering, West Coast University, Los Angeles, Calif. 1949.

ELDIN, HAMED K., Egyptian Government Mission Member, Faud I University, Cairo, Egypt. 1950.

ELDREDGE, HUGH G., Assistant Professor of Engineering Drawing, Vanderbilt University, Nashville, Tenn. 1949.

ELGIN, JOSEPH C., Professor and Chairman, Dept. of Chemical Engineering, Princeton University, Princeton, N. J. (*Member of Council, 1942–46.*) 1931.

ELIASSEN, ROLF, Professor of Sanitary Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass. 1948.

ELIZONDO, YNDALECIO J., Instructor in T. & A. M., Iowa State College, Ames, Iowa. 1950.

ELL, CARL S., President, Northeastern University, Boston, Mass. (*Member of Council, 1940–43.*) 1917.

ELLINGSON, MARK, President, Rochester Institute of Technology, Rochester, N. Y. 1944.

ELLIOTT, BEN G., Professor of Mechanical Engineering, University of Wisconsin, Madison, Wis. (*Member of Council, 1931–34.*) 1912.

ELLIS, GREER, Ellis Associates, Pelham, N. Y. 1949.

ELLIS, ISHMAEL L., Assistant Professor of Engineering Drawing and Mechanics, Georgia Institute of Technology, Atlanta, Ga. 1948.

ELLIS, JAMES L., Professor of Electrical Engineering, University of New Mexico, Albuquerque, N. M. 1945.

ELLIS, PIERCE G., Assistant to the President, Wisconsin Public Service Corp., Milwaukee, Wis. 1949.

ELLITHORN, HAROLD E., Associate Professor of Electrical Engineering, University of Notre Dame, Notre Dame, Ind. 1941.

ELROD, JOHN T., Professor of Industrial Engineering, University of Houston, Houston, Texas. 1949.

ELROD, STEPHEN B., Associate Professor of Engineering Drawing, Purdue University, Lafayette, Ind. 1940.

ELY, JOHN A., Adjunct Professor of Civil Engineering (Retired), Cooper Union, New York City. *Life member.* 1914.

EMBLER, WELLER B., Professor of English, Head, Dept. of Humanities, Cooper Union, New York City. 1945.

EMERSON, CHERRY L., Vice President, Georgia Institute of Technology, Atlanta, Ga. 1943.

EMERSON, EDWARD D., Assistant Professor of Mechanical Engineering, University of Massachusetts, Amherst, Mass. 1949.

EMERSON, HOWARD P., Professor and Head of Industrial Engineering, University of Tennessee, Knoxville, Tenn. 1948.

EMERSON, L. A., Professor of Industrial Education, Cornell University, Ithaca, N. Y. 1929.

EMERSON, WALTER D., Professor and Head, Dept. of Mechanical Engineering, Norwich University, Northfield, Vt. 1920.

EMERY, DURWARD L., Physicist, Sinclair Rubber, Inc., Houston, Texas. 1947.

EMIG, RALPH C., Associate Professor of Mathematics, Lawrence Institute of Technology, Highland Park, Mich. 1948.

EMMONS, WALTER J., Assistant Dean and Secretary, College of Engineering, Associate Professor of Highway Engineering, University of Michigan, Ann Arbor, Mich. 1923.

ENBURG, JACK T., R. R. #1, Danville, Ia. 1943.

ENDSLEY, L. E., Lecturer in Mechanical Engineering, University of Pittsburgh, 516 East End Avenue, Pittsburgh, Pa. 1907.

ENELL, JOHN W., Assistant Professor of Industrial Engineering, New York University, New York, N. Y. 1949.

ENEY, WILLIAM J., Head, Dept. of Civil Engineering, Fritz Engineering Laboratory, Lehigh University, Bethlehem, Pa. 1938.

ENG, SIDNEY A., Director of Academic Administration, Milwaukee School of Engineering, Milwaukee, Wis. 1946.

ENGEL, ERNEST D., Associate Professor & Dean of Engineering, University of Washington, Seattle, Wash. 1935.

ENGELMAN, HELMUTH W., Instructor in Mechanical Engineering, University of Wisconsin, Madison, Wis. 1950.

ENGELUND, ANKER, Director, Tekniske Hoiskole of Denmark, Copenhagen, Denmark. 1947.

ENGELMANN, RICHARD H., Instructor in Electrical Engineering, University of Cincinnati, Cincinnati, Ohio. 1949.

ENGER, MELVIN L., Dean Emeritus, College of Engineering, University of Illinois, Urbana, Ill. (*Member of Council, 1921–24; Vice President, 1938–39.*) 1907.

ENGESSER, WILLIAM F., Associate Professor of Industrial Engineering, Oregon State College, Corvallis, Ore. 1949.

ENGLER, KYLE, Professor and Head, Agricultural Engineering Dept., University of Arkansas, Fayetteville, Ark. 1949.

ENGLER, LESLIE W., Associate Professor of Civil Engineering and Dean of Administration, College of the City of New York, New York, N. Y. 1948.

ENGLISH, JOHN M., Lecturer in General Engineering, University of Southern California, Los Angeles, Calif. 1948.

ENGSTROM, HARRY T., Assistant Personnel Director, Mountain States Tel. & Tel. Co., Denver, Colo. 1947.

ENSIGN, NEWTON E., Professor of Theoretical and Applied Mechanics, University of Illinois, Urbana, Ill. 1915.

ENTWISLE, FRANK N., Director, Testing and Guidance Division, Newark College of Engineering, Newark, N. J. 1927.

EPPELSHEIMER, DANIEL S., Professor of Metallurgical Engineering, Missouri School of Mines, Rolla, Mo. 1940.

EPPERSON, ERNEST R., Assistant Professor of Chemical Engineering, Michigan College of M. & T., Houghton, Mich. 1948.

EPPLE, ARNET B., Associate Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

ERBACH, WALTER C., Instructor in Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1947.

ERDELYI, EDWARD, Assistant Professor of Electrical Engineering, Washington University, St. Louis, Mo. 1947.

ERDOSS, BELA K., Professor and Chairman, Dept. of Fluid Dynamics, Stevens Institute of Technology, Hoboken, N. J. 1945.

ERICKSON, FREDERICK K., Associate Professor of Civil Engineering, State College of Washington, Pullman, Wash. 1949.

ERICKSON, WILLIAM H., Associate Professor of Electrical Engineering, Cornell University, Ithaca, N. Y. 1945.

ERICSON, ELVIN G., Instructor in Civil Engineering, State College of Washington, Pullman, Wash. 1948.

ERIKSEN, EDWARD L., Professor and Chairman, Dept. of Engineering Mechanics, University of Michigan, Ann Arbor, Mich. (*Member of Council, 1943–46.*) 1937.

ERMENC, JOSEPH J., Professor of Mechanical Engineering, Thayer School of Engineering, Dartmouth College, Hanover, N. H. 1941.

ERNEMAN, HANS G., Professor of Mechanical Engineering, Lawrence Institute of Technology, Highland Park, Mich. 1947.

ERNST, EDWIN H., Instructor in English, Purdue University Extension, Indianapolis, Ind. 1949.

ERNST, GEORGE C., Professor and Chairman, Civil Engineering Dept., University of Nebraska, Lincoln, Nebr. 1930.

ERNST, ROBERT C., Dean, Speed Scientific School, University of Louisville, Louisville, Ky. (*Member of Council, 1939–42.*) 1932.

ESHBACH, OVID W., Dean, Northwestern Technological Institute, Evanston, Ill. (*Member of Council, 1936–39.*) 1926.

ESHBAUGH, CLIFFORD W., Assistant Professor of Civil Engineering, Missouri School of Mines, Rolla, Mo. 1946.

ESHLEMAN, SILAS K., Associate Professor of Industrial Engineering, University of Florida, Gainesville, Fla. 1949.

ESKEW, ROBERT E., Assistant to Director of Evening School, Georgia Institute of Technology, Atlanta, Ga. 1948.

ESPY, WILLIAM N., Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1943.

ESSIGMANN, MARTIN W., Associate Professor of Electrical Engineering, Northeastern University, Boston, Mass. 1941.

ESTELLE, WEEMS E., Assistant Professor of Electrical Engineering, U. S. Naval Academy, Annapolis, Md. 1947.

ESTRIN, HERMAN A., Assistant Professor of English, Newark College of Engineering, Newark, N. J. 1948.

ETTORRE, JAMES E., Instructor in Mechanical Engineering, Bridgeport Engineering Institute, Bridgeport, Conn. 1949.

EUBANKS, JOHN M., Assistant Professor of Electrical Engineering, University of Miami, Coral Gables, Fla. 1950.

EUBANKS, WILLIAM H., Instructor in Drawing, Mississippi State College, State College, Miss. 1950.

EVANS, EDWARD E., Instructor in Civil Engineering, Louisiana State University, Baton Rouge, La. 1948.

EVANS, F. H., District Supt., N. Y. State Employment Service, Poughkeepsie, N. Y. 1907.

EVANS, FRANK E., Instructor in Electrical Engineering, N. Y. State Institute of Applied Arts and Sciences, White Plains, N. Y. 1950.

EVANS, FRED J., Assistant Professor of Civil Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1944.

EVANS, FREDRICK P., Assistant Professor of Mechanical Engineering, University of Kansas, Lawrence, Kans. 1950.

EVANS, H. S., Professor of Electrical Engineering, University of Colorado, Boulder, Colo. (*President, 1931–32; Vice President, 1920–21; Member of Council, 1931–46.*) 1905.

EVANS, KARL H., Assistant Professor of Civil Engineering, University of Missouri, Columbia, Mo. 1948.

EVANS, THOMAS H., Dean of Engineering, Colorado A. & M. College, Fort Collins, Colo. 1936.

EVANS, WESTON S., Head, Dept. of Civil Engineering, University of Maine, Orono, Me. 1922.

EVERETT, FRANKLIN L., Associate Professor of Engineering Mechanics, University of Michigan, Ann Arbor, Mich. 1939.

EVERETT, HOWARD C., Instructor in Civil Engineering, University of Houston, Houston, Texas. 1949.

EVERITT, WILLIAM L., Dean of Engineering, University of Illinois, Urbana, Ill. 1927.

EVINGER, M. I., Professor of Civil Engineering, University of Nebraska, Lincoln, Nebr. 1926.

EWALT, WALTER P., Associate Professor of Physics, Georgia Institute of Technology, Atlanta, Ga. 1948.

EWELL, WALTER W., Assistant Professor of Civil Engineering, Johns Hopkins University, Baltimore, Md. 1947.

EWING, D. D., Head, School of Electrical Engineering, Purdue University, Lafayette, Ind. 1910.

EYE, JOHN D., Instructor in Civil Engineering, University of Southern California, Los Angeles, Calif. 1949.

EYMAN, RAYMOND P., Associate Professor of Civil Engineering, George Washington University, Washington, D. C. 1948.

EYNON, THOMAS G. R., Instructor in Engineering, Detroit Institute of Technology, Detroit, Mich. 1948.

EYRE, THOMAS T., Professor of Mechanical Engineering, Retired, University of Southern California, Los Angeles, Calif. *Life member.* 1909.

EYROLLES, MARC, Directeur, Ecole Speciale des Travaux Publics du Batiment et de l'Industrie, 61 Boulevard St. Germain, Paris, France. 1947.

FABEL, DONALD C., Professor and Head, Dept. of Mechanical Engineering, Fenn College, Cleveland, Ohio. 1930.

FABIAN, EDWARD S., Professor of Civil Engineering, University of Tennessee, Knoxville, Tenn. 1950.

FADUM, RALPH E., Professor and Head, Civil Engineering Dept., North Carolina State College, Raleigh, N. C. 1944.

FAGAL, FREDERICK F., Head of Electrical Engineering Department, Bridgeport Engineering Institute, Bridgeport, Conn. 1950.

FAGAN, WILLIAM W., Instructor in Civil Engineering, Tufts College, Medford, Mass. 1948.

FAHNESTOCK, MAURICE K., Research Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1943.

FAIG, JOHN T., President of Departments, Ohio Mechanics Institute, 1104 Walnut Street, Cincinnati, Ohio. (*Vice President, 1918–19.*) 1899.

FAIR, GORDON M., Dean and Professor, Harvard Graduate School of Engineering, Harvard University, Cambridge, Mass. 1926.

FAIRBANKS, ANDREW J., Professor of Aeronautical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

FAIRBANKS, HAROLD V., Associate Professor of Chemical Engineering, West Virginia University, Morgantown, W. Va. 1940.

FAIRBANKS, OSCAR W., Associate Professor of Engineering Drawing, Michigan State College, East Lansing, Mich. 1937.

FAIRBROOK, JOHN G., Instructor in General Engineering, Yakima Junior College, Yakima, Wash. 1949.

FAIRBURN, A. JOHN B., Supervisor, Division of Technical Services, National Tube Co., 2799 E. Erie Ave., Lorain, Ohio. 1927.

FAIRCHILD, EDWARD L., Assistant Professor of Industrial Engineering, Wayne University, Detroit, Mich. 1942.

FAIRCLOTH, JAMES M., Professor of Civil Engineering, University of Alabama, University, Ala. 1940.

FAIRES, VIRGIL M., Head, Dept. of Management Engineering, A. & M. College of Texas, College Station, Texas. (*Member of Council, 1939–42.*) 1925.

FAIRFIELD, JOHN G. Professor of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1922.

FAIMAN, ROBERT N., Assistant Professor of Electrical Engineering, North Dakota State College, Fargo, N. D. 1950.

FAIRMAN, SEIBERT, Professor of Engineering Mechanics, Purdue University, Lafayette, Ind. (*Member of Council, 1941–44.*) 1921.

FALLS, EUGENE K., Associate Professor of Mechanical Engineering, Illinois Institute of Technology, and Associate, Reactor Engineering Division, Argonne National Laboratory, Chicago, Ill. 1941.

FANEUF, JOSEPH O., Instructor in Mechanical Engineering, University of Maine, Orono, Maine. 1948.

FANNING, CLYDE L., Assistant Chairman, Machine and Wood Shops, General Motors Institute, Flint, Mich. 1950.

FARBER, ERICH A., Assistant Professor of Mechanical Engineering, University of Wisconsin, Madison, Wis. 1950.

FARNHAM, GEORGE W., Editorial Director, Engineering and Technical Books, The Ronald Press Co., New York, N. Y. 1922.

FARNHAM, WALTER E., Professor of Engineering Drawing, Tufts College, Medford, Mass. (*Member of Council, 1930–33.*) 1919.

FARQUHARSON, F. BURT, Director, Engineering Experiment Station, Professor of Civil Engineering, University of Washington, Seattle 5, Wash. 1947.

FARQUHARSON, KENNETH J., Assistant Professor of Engineering, University of Missouri, Columbia, Mo. 1950.

FARRALL, ARTHUR W., Professor and Head, Dept. of Agricultural Engineering, Michigan State College, East Lansing, Mich. 1945.

FARRAR, CLYDE L., Professor of Electrical Engineering, University of Oklahoma, Norman, Okla. 1947.

FARRAR, GERALD L., Assistant Professor of Chemical Engineering, Texas A. & M. College, College Station, Texas. 1950.

FARRELL, MARTIN B., Instructor in Mathematics, Long Beach City College, Long Beach, Calif. 1947.

FARRELL, ROBERT J., Instructor in Electrical Engineering, Fenn College, Cleveland, Ohio. 1949.

FARRELL, THOMAS, JR., Instructor in English, University of Iowa, Iowa City, Iowa. 1946.

FARRIS, MARSHALL E., Dean of Engineering, University of New Mexico, Albuquerque, N. M. (*Member of Council, 1948–50.*) 1925.

FARRISEE, WILLIAM J., Dean of the College, Clarkson College of Technology, Potsdam, N. Y. 1947.

FARWELL, RAYMOND S., Instructor in Industrial Engineering, Pennsylvania State College, State College, Pa. 1948.

FASAKE, WILLIAM E., Test Engineer, Testing Division, General Electric Company, Schenectady, N. Y. 1948.

Fatout, Paul, Associate Professor of English, Purdue University, Lafayette, Ind. 1948.

Faucett, Max A., Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1935.

Faucett, Thomas R., Instructor in Mechanical Engineering, Purdue University, Lafayette, Ind. 1949.

Fawcett, Charles D., Professor of Electrical Engineering, University of Pennsylvania, Philadelphia, Pa. (*Member of Council, 1946–47.*) 1935.

Fax, David H., Assistant Professor of Mechanical Engineering, Johns Hopkins University, Baltimore, Md. 1947.

Fay, Douglas P., Assistant Prof. of Civil Engineering, Norwich University, Northfield, Vt. 1947.

Fayram, Richard A., Lecturer in Mech. Engg., Univ. of Calif., Berkeley, Calif. 1949.

Fear, Arthur J., Assistant Professor of Speech, Long Beach State College, Long Beach, Calif. 1947.

Fee, James G. 1946.

Feener, Donald H., Assistant Professor of Mechanical Engineering, University of Maine, Orono, Maine. 1948.

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Feiereisen, William J., Assistant Professor of Mechanical Engineering, University of Wisconsin, Madison, Wis. 1950.

Feiker, Frederick M., Dean, School of Engineering, George Washington University, Washington, D. C. (*Member of Council, 1937–40.*) 1936.

Felbarth, Wayne, Instructor in Drawing, University of Detroit, Detroit, Mich. 1949.

Feldman, David, Instructor in Electrical Engineering, The Cooper Union, New York, N. Y. 1950.

Felgar, Robert P., Assistant Professor of Engineering Mechanics, University of Texas, Austin, Texas. 1947.

Feliberti, Manuel, Assistant Professor of Chemical Engineering, University of Puerto Rico, Mayaguez, P. R. 1947.

Fellinger, Robert C., Assistant Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1950.

Fellows, Julian R., Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1937.

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Feltner, Charles E., Associate Professor of Engineering Mechanics, North Carolina State College, Raleigh, N. C. 1947.

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Fenn, Fred H., Professor of Engineering Mechanics, Louisiana State University, Baton Rouge, La. 1947.

Fenton, Fred C., Professor of Agricultural Engineering, Kansas State College, Manhattan, Kans. 1944.

Fenwick, Harold H., Associate Professor of Engineering Drawing, University of Louisville, Louisville, Ky. 1927.

Feodoroff, Nicholas V., Associate Professor of Civil Engineering, Manhattan College, New York City. 1943.

Ferguson, Eugene S., Assistant Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1946.

Ferguson, James E., Assistant Professor of Agricultural Engineering, University of Arkansas, Fayetteville, Ark. 1950.

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Ferguson, Phil M., Professor and Chairman, Dept. of Civil Engineering, University of Texas, Austin, Texas. 1930.

Ferguson, Samuel A., Associate Professor and Head, Div. of Electrical Engineering, University of South Carolina, Columbia, S. C. 1949.

Fernald, Ernest M., Professor of Mechanical Engineering, Lafayette College, Easton, Pa. 1927.

Fernow, Bernhard E., Head, Dept. of Mechanical Engineering, Clemson College, Clemson, S. C. 1929.

Ferrara, Guido, Instructor in Electrical Engineering, University of Detroit, Detroit, Mich. 1947.

Ferrel, Woodrow L., Technician and Laboratory Assistant, Applied Science Dept., Ohio University, Athens, Ohio. 1948.

Ferretti, Alfred J., Professor of Mechanical Engineering, Northeastern University, Boston, Mass. 1925.

Ferry, Arthur L., Branch Manager, The A. Lietz Co., 1965 North Berendo St., Los Angeles 15, Calif. 1940.

Ferzoco, Patrick H., Instructor in Mechanical Drawing, Wentworth Institute, Boston, Mass. 1948.

Fetterley, Guy H., Engineer, Research Dept., Norton Co., Chippawa Ont., Canada. 1946.

Fetty, Homer D., Director of Business and Industrial Education, Los Angeles State College of Applied Arts & Sciences, Los Angeles, Calif. 1950.

Fich, Sylvan, Associate Professor of Electrical Engineering, Rutgers University, New Brunswick, N. J. 1947.

Fields, Raymond I., Assistant Professor of Mathematics, University of Louisville, Louisville, Ky. 1949.

Fiesenheiser, Elmer I., Associate Professor of Civil Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.

Fife, Samuel T., Professor of Electrical Engineering, University of Louisville, Louisville, Ky. 1927.

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Filipetti, George, Professor of Economics and Business Administration, University of Minnesota, Minneapolis, Minn. 1931.

Fillmore, Robert L., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

Filson, Harry R., Director of Engineering Training, Northrop Aeronautical Institute, Hawthorne, Calif. 1946.

Finch, Eugene B., Instructor in Chemical Engineering, North Carolina State College, Raleigh, N. C. 1948.

Finch, Frank R., Professor of Mechanism and Drawing, University of Michigan, Ann Arbor, Mich. 1913.

Finch, George A., Assistant Professor of English, Pratt Institute, Brooklyn 5, N. Y. 1948.

Finch, James K., Dean Emeritus, School of Engineering, Columbia University, New York City. 1925.

Finch, Rogers B., Assistant Professor of Textile Technology, Massachusetts Institute of Technology, Cambridge, Mass. 1950.

Finch, Stanley P., Professor of Civil Engineering, University of Texas, Austin, Texas. 1935.

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FINDLAY, JAMES E., Instructor in General Engineering Drawing, University of Illinois, Navy Pier, Chicago, Ill. 1947.

FINDLEY, WILLIAM N., Research Associate Professor of Theoretical and Applied Mechanics, University of Illinois, Urbana, Ill. 1943.

FINK, COLLIN E., Associate Professor of Chemical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1948.

FINLAY, WILLIAM W., Professor of Industrial Engineering, Southern Methodist University, Dallas, Texas. 1947.

FINLAYSON, FRANK S., Associate Professor of Mechanical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1943.

FINZI, LEO A., Associate Professor of Electrical Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1949.

FISCHER, DON A., Assistant Dean, School of Engineering, Washington University, St. Louis, Mo. 1941.

FISCHER, EMIL C., Professor of Architecture, The Ohio State University, Columbus, Ohio. 1946.

FISCHER, FREDERIC P., Professor and Head, Electrical Engineering, University of Buffalo, Buffalo, N. Y. 1949.

FISCHER, KERMIT, President, Fischer & Porter Co., Hatboro, Pa. 1949.

FISHER, BENJAMIN A., Associate Professor of Electrical Engineering, Illinois Institute of Technology, Chicago, Ill. 1948.

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FISHER, EDWARD G., Professor and Head, Dept. of Languages, Colorado School of Mines, Golden, Colo. 1940.

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FISHMAN, SOLOMON, Associate Professor of Electrical Engineering, Newark College of Engineering, Newark, N. J. 1928.

FISK, NELSON S., Assistant Professor of Civil Engineering, Columbia University, New York, N. Y. 1950.

FITCH, AUSTIN E., Professor of Architectural Construction, Washington University, St. Louis, Mo. 1941.

FITCH, W. CHESTER, Assistant Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1939.

FITHIAN, JAMES H., Professor of Mathematics, Newark College of Engineering, Newark, N. J. 1934.

FITTERER, G. R., Professor and Head, Dept. of Metallurgical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1941.

FITTZ, RAYMOND U., Associate Professor of Mechanical Engineering, Tufts College, Melrose, Mass. 1948.

FITZGERALD, JOHN A., Assistant Professor of Electrical Engineering, Manhattan College, New York City. 1941.

FITZHUGH, PARKER M., Technical Instructor, Vocational Dept., University of Houston, Houston, Tex. 1949.

FIXEN, VICTOR L., Lecturer in Civil Engineering, University of Minnesota, Minneapolis, Minn. 1947.

FLAKE, GOLDEN, Instructor in Physics, Purdue University Extension, Indianapolis, Ind. 1948.

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FLANAGAN, LINDLEY E., JR., Assistant Professor of Aeronautical Engineering, A. & M. College of Texas, College Station, Texas. 1948.

FLANAKIN, H. A. MIKE, Associate Professor of Civil Engineering, Louisiana State University, Baton Rouge, La. 1948.

FLANDERS, DELTON DE SPAIN, Associate Professor of Economics, Colorado School of Mines, Golden, Colo. 1948.

FLANDERS, ROGER L., Professor of Civil Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1940.

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FLANIGAN, FRANK M., Instructor in Mechanical Engineering, University of Florida, Gainesville, Fla. 1948.

FLATH, EARL H., Dean, School of Engineering, Southern Methodist University, Dallas, Texas. 1925.

FLECKENSTEIN, EDWARD L., Instructor in Physics and Electricity, Ohio Mechanics Institute, Cincinnati, Ohio. 1950.

FLEMING, ARTHUR P. M., Director, Research and Education Dept., Metropolitan-Vickers Electrical Co., Manchester, England. 1922.

FLEMING, JULIAN R., Associate Professor of Hydraulic and Sanitary Engineering, University of Tennessee, Knoxville, Tenn. 1949.

FLEMING, ROBERT W., Instructor in Mechanical Engineering, University of Wisconsin, Madison, Wis. 1950.

FLEMING, WALTER J., Assistant Professor of Civil Engineering, University of Buffalo, Buffalo, N. Y. 1949.

FLETCHER, FRANK A., Professor of Chemical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1947.

FLETCHER, HILBERT E., Assistant Professor of Electrical Engineering, Colorado School of Mines, Golden, Colo. 1948.

FLETCHER, LEONARD J., Director of Training and Community Relations, Caterpillar Tractor Co., Peoria, Ill. (*Member of Council, 1942–46.*) 1941.

FLIKKE, ARNOLD M., Assistant Professor of Agricultural Engineering, University of Minnesota, Minneapolis, Minn. 1950.

FLINNER, ARTHUR O., Professor of Mechanical Engineering, Kansas State College, Manhattan, Kans. 1931.

FLINSCH, HAROLD V., Dean of the School of Engineering, Mississippi State College, State College, Miss. 1940.

FLINT, PAUL H., Associate Professor of English, Tufts College, Medford, Mass. 1946.

FLINT, RAYMOND E., Assistant Professor of Civil Engineering, Washington University, St. Louis, Mo. 1948.

FLITNER, DAVID P., Instructor in Mechanical Engineering, Pratt Institute, Brooklyn, N. Y. 1947.

FLODIN, JOHN. 1947.

FLORY, FRANK C., Assistant Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1948.

FLYNN, EDMUND C., Professor of Civil Engineering, University of Santa Clara, Santa Clara, Calif. 1935.

FLYNN, WALTER W., Director, Engineering Dept., St. Martin's College, Olympia, Wash. 1949.

FOCHT, JOHN A., Professor of Civil Engineering, University of Texas, Austin, Texas. 1935.

FOGARTY, J. WILLIAM P., Professor of General Engineering, St. Francis Xavier University, Antigonish, N. S. 1944.

FOGEL, CHARLES M., Assistant Dean of Engineering, University of Buffalo, Buffalo, N. Y. 1946.

FOLCH, PEDRO A., Assistant Professor of Mechanical Engineering, University of Puerto Rico, Mayaguez, P. R. 1947.

FOLEY, JOHN P., JR., Educational Specialist, U. S. Air Force Technical School, Belleville, Ill. 1950.

FOLK, JOHN T., Associate Professor of Civil Engineering, Louisiana Polytechnic Institute, Ruston, La. 1939.

FOLK, SAMUEL B., Professor of Mechanics, The Ohio State University, Columbus, Ohio. 1921.

FOLSOM, RICHARD G., Professor of Mechanical Engineering, University of California, Berkeley, Calif. 1943.

FOLTZ, LEROY S., Distinguished Professor Emeritus of Electrical Engineering, Michigan State College, East Lansing, Mich. *Life member.* 1918.

FONER, DAVID N., 11 Woodford Rd., Bloomfield, Conn. 1947.

FONTANA, MARS G., Professor and Head, Dept. of Metallurgy, The Ohio State University, Columbus, Ohio. 1947.

FOOS, CALDWELL B., Associate Professor of Industrial Engineering, Georgia Institute of Technology, Atlanta, Ga. (Home: R. F. D. #3, Marietta, Ga.) 1947.

FOOTE, EARLE G., Instructor in Mechanical Engineering, University of Washington, Seattle, Wash. 1949.

FOOTE, JAMES H., President, Commonwealth Associates, Inc., Jackson, Mich. 1933.

FORBES, ALLEN H., Associate Professor of Electrical Engineering, The Pennsylvania State College, State College, Pa. 1945.

FORD, ALBERT D., Professor and Head, Dept. of Mechanical Engineering, University of New Mexico, Albuquerque, N. M. 1942.

FORD, LESTER R., Professor and Chairman, Dept. of Mathematics, Illinois Institute of Technology, Chicago, Ill. 1939.

FOREMAN, HERBERT E., Managing Editor, The Associated General Contractors of America, Washington, D. C. 1949.

FORRESTER, JAMES D., Professor and Chairman, Dept. of Mining Engineering, Missouri School of Mines, Rolla, Mo. 1944.

FORSBERG, HUGH C., Chemical Engineer, Dearborn, Mich. 1948.

FORSMAN, MARION E., Assoc. Professor of Electrical Engineering, Tulane University, New Orleans, La. 1949.

FORSTALL, WALTON, JR., Associate Professor of Mechanical Engineering, Carnegie Institute of Technology, Pittsburgh 13, Pa. 1941.

FORSYTH, ARTHUR C., Associate Professor of Metallurgical Engineering, University of Illinois, Urbana, Ill. 1945.

FORT, BENJAMIN B., Instructor, Technical Institute, Purdue University, Indianapolis, Ind. 1949.

FOSS, MARTIN M., President, Retired, McGraw-Hill Book Co., Inc., New York 18, N. Y. (Home: 400 East 52nd St., New York 22, N. Y.) *Life member.* 1909.

FOSS, RAY J., Professor of Civil Engineering, University of New Mexico, Albuquerque, N. M. 1942.

FOSSUM, GUILFORD O., Assistant Professor of Civil Engineering, University of North Dakota, Grand Forks, N. D. 1947.

FOSTER, CHARLES A. B., Associate Professor of Engineering and Manager, Richmond Branch, Virginia Polytechnic Institute, Richmond, Va. 1943.

FOSTER, CLYDE L., Vice President and General Manager, Central Radio and Television Schools, Kansas City, Mo. 1948.

FOSTER, EDWARD S., Electrical Engineer, Standard Transformer Co., R. F. D. 4, Warren, Ohio. 1911.

FOSTER, EDWARD S., JR., Assoc. Prof. of Physics, Univ. of Toledo, Toledo 7, Ohio. 1949.

FOSTER, WILLIAM H., College Representative, The Ronald Press Co., New York, N. Y. 1945.

FOTIS, CHARLES W., Acting Chief, Pers. Mgmt. Div., R. & D. Command Hdqs. USAF, Washington, D. C. 1949.

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FOURAKER, LEROY L., Associate Professor of Electrical Engineering, A. & M. College of Texas, College Station, Texas. 1924.

FOURAKER, RAYMOND S., Professor of Electrical Engineering, North Carolina State College, Raleigh, N. C. 1929.

FOWLER, KENNETH W., Assistant Professor of Mechanical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1948.

FOWLER, RUSSELL W., Associate Professor of Mechanical Engineering, Extension Division, University of Wisconsin, Madison Wis. 1934.

FOX, BEAUVIS B., Instructor in Engineering Drawing, New York University, New York City. 1943.

FOX, BRYCE J., Assistant Professor of Mechanical Engineering, University of North Dakota, Grand Fork, N. D. 1947.

FOX, FREDERICK H., Professor and Head, Dept. of Civil Engineering, Tulane University of Louisiana, New Orleans, La. 1922.

FOX, ROBERT M., Professor of Civil Engineering, Retired, University of Southern California, Los Angeles, Calif. 1932.

FOX, SAMUEL, Assistant Professor of Accountancy, Illinois Institute of Technology, Chicago 16, Ill. 1948.

FOXWELL, WILLIAM H., Professor of Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1946.

FOY, GLENN A., Instructor in General Engineering, University of Southern California, Los Angeles, Calif. 1947.

FRAAS, ARTHUR P., Principal Design Engineer, Oak Ridge National Lab., Oak Ridge, Tenn. 1942.

FRANCIS, SAMUEL A., Head, Department of Mathematics and Engineering, San Mateo Junior College, San Mateo, Calif. 1935.

FRANCIS, WILLIAM H., Associate Professor of Engineering Drawing and Design, Alabama Polytechnic Institute, Auburn, Ala. 1949.

FRANK, A. J., Assistant Professor of Geology, Institute of Technology, St. Louis University, St. Louis, Mo. 1946.

FRANK, ABBOTT, Instructor in Civil Engineering, Brooklyn Polytechnic Institute, Brooklyn, N. Y. 1949.

FRANZEL, EARL J., Instructor in Mechanics, West Virginia University, Morgantown, W. Va. 1950.

FRANZINI, JOSEPH B., Assistant Professor of Civil Engineering, Stanford University, Stanford, Calif. 1949.

FRASER, BURT, Instructor in General Engineering, University of Houston, Houston, Texas. 1949.

FRASH, EDWIN S., Assistant Professor of Mechanical Engineering, University of Florida, Gainesville, Fla. 1947.

FRAZIER, FORREST F., Professor of Civil Engineering, Kansas State College, Manhattan, Kans. 1929.

FRAZIER, RICHARD H., Associate Professor of Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1927.

FREBERG, C. R., Head, Equip. Dept., Naval Civil Engrg. Lab., Port Hueneme, Calif. 1943.

FREDERICK, MICHAEL, Associate Professor of Industrial Chemical Engineering, Newark College of Engineering, Newark, N. J. 1943.

FREDRICKSON, ROBERT E., Instructor in Chemical Engineering, University of North Dakota, Grand Forks, N. D. 1949.

FREEDMAN, M., Lecturer in Civil Engineering, George Washington University, Washington, D. C. 1947.

FREEL, WILFRED I., Associate Professor of Civil Engineering, Purdue University, Lafayette, Ind. 1928.

FREEMAN, JAMES N., Head, Dept. of Agriculture, Lincoln University, Jefferson City, Mo. 1947.

FREEMAN, LEONARD M., Works Technical Manager, B. F. Goodrich Co., Akron, Ohio. 1947.

FREEMAN, NEWELL L., Secretary, Board of Examiners, Professional Engineers & Land Surveyors, New York State University, Albany, N. Y. 1950.

FREEMAN, RALPH L., Assistant Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1948.

FREEMAN, ROBERT G., Educational Researcher and Senior Teacher of Industrial Engineering, General Motors Institute, Swartz Creek, Mich. 1948.

FREER, WILLIAM V. 1948.

FRENCH, ALBERT E., Director, New York State Agricultural and Technical Institute, Canton, N. Y. 1948.

FRENCH, ORVAL C., Professor and Head, Dept. of Agricultural Engineering, Cornell University, Ithaca, N. Y. 1940.

FREUND, C. J., Dean, College of Engineering, University of Detroit, Detroit, Mich. (*Member of Council, 1941–44, 1946–52; Vice President, 1946–48; President, 1948–49.*) 1932.

FREY, GEORGE J., Head, Mechanical Drawing and Design Dept., Ohio Mechanics Institute, Cincinnati, Ohio. 1950.

FRIED, BERNARD, Associate Professor of Mechanical Engineering, State College of Washington, Pullman, Wash. 1949.

FRIEDERICK, ALLAN G., Instructor in General Engineering Drawing, University of Illinois, Urbana, Ill. 1949.

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FRIEDRICH, LAWRENCE M., Dist. Chief, P. H. Engr., N. J. State Dept. of Health, Trenton, N. J. 1938.

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FRISCH, JOSEPH, Lecturer in Engineering Design, University of California, Berkeley, Calif. 1949.

FRISHE, W. C., Associate Professor of Chemical Engineering, Detroit, Mich. 1947.

FROCHT, MAX M., Research Professor of Mechanics, Illinois Institute of Technology, Chicago, Ill. 1928.

FROEHLICH, CECILIE, Associate Professor of Electrical Engineering, City College of New York, New York, N. Y. 1948.

FROOMKIN, NORMAN G. 1948.

FROST, D. C., Associate Professor of Civil Engineering, Villanova College, Villanova, Pa. 1947.

FROULA, HENRY C., JR., Lecturer in Engineering, University of California, Los Angeles, Calif. 1950.

FRUSH, CHARLES O., Assistant Professor in Chemical Engineering, Iowa State College, Ames, Iowa. 1948.

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FULLER, A. H., Professor of Civil Engineering, The Iowa State College, Ames, Iowa. (*Member of Council, 1914–17.*) 1901.

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FULLER, FERNLEY L., Assistant Professor of Mechanical Engineering, Pratt Institute, Brooklyn, N. Y. 1949.

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FULLER, HAROLD Q., Professor of Physics, Missouri School of Mines, Rolla, Mo. 1949.

FULLER, JOHN D. P., Professor and Head, Dept. of History, Virginia Military Institute, Lexington, Va. 1946.

FULLER, WILLIAM D., Director of Research, Engineering Laboratories, Inc., 624 East 4th Street, Tulsa, Okla. 1948.

FULLERTON, HERBERT P., Design Engineer, Air Circuit Breaker Division, General Electric Co., Philadelphia, Pa. 1942.

FULLMER, DANIEL M., Instructor in Engineering Drawing, Michigan State College, East Lansing, Mich. 1947.

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FULTON, ARTHUR E., Assistant Professor of Mathematics, Georgia Institute of Technology, Atlanta, Ga. 1948.

FUNK, FRANCIS F., Assistant Professor of Civil Engineering, North Carolina State College, Raleigh, N. C. 1948.

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FURLEY, EDMUND, Instructor in Architectural Engineering, University of Houston, Houston, Texas. 1949.

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GALBRAITH, RALPH A., Professor and Head, Dept. of Electrical Engineering, Syracuse University, Syracuse, N. Y. 1939.

GALEF, ARNOLD L., Instructor in Mechanical Engineering, Stanford University, Palo Alto, Calif. 1948.

GALLAGHER, ROBERT T., Professor of Mining Engineering, Lehigh University, Bethlehem, Pa. 1943.

GALLAWAY, ROBERT M., Assistant Professor of Civil Engineering, Texas A. & M. College, College Station, Texas. 1949.

GALLEN, JOHN J., Professor of Civil Engineering, Villanova College, Villanova, Pa. 1940.

GALLIGAN, WILLIAM E., Associate Professor of Civil Engineering, Iowa State College, Ames, Iowa. 1950.

GALLO, FRANK J., Instructor in Structural Engineering, Fenn College, Cleveland 15, Ohio. 1947.

GALLOGLY, HARRY P., Associate Professor of Civil Engineering, Catholic University of America, Washington, D. C. 1943.

GALVIN, GEORGE M., Treasurer, Industrial Technical Schools, Boston, Mass. 1948.

GAMBLE, CLYDE R., Assistant Professor of Mechanical Engineering, University of Houston, Houston, Texas. 1949.

GAMBLE, WILLIAM H., Professor and Head, Dept. of Electrical Engineering, South Dakota State College, Brookings, S. D. 1931.

GAMET, MERRILL B., Associate Professor of Civil Engineering, Northwestern Technological Institute, Evanston, Ill. 1945.

GAMMELL, JOHN, Supervisor of Sales Training, Allis-Chalmers Mfg. Co., West Allis, Wis. 1949.

GAMZUE, BENJAMIN B., Assistant Prof. of English, New York University, New York, N. Y. 1949.

GANT, EDWARD V., Associate Professor of Civil Engineering, University of Connecticut, Storrs, Conn. 1943.

GANNETT, ARTHUR C., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

GARBER, HAROLD J., Professor of Chemical Engineering, University of Tennessee, Knoxville, Tenn. 1943.

GARBETT, CHARLES R., Acting Instructor in Mechanical Engineering, Stanford University, Stanford, Calif. 1947.

GARDNER, JAMES E., Professor of Engineering and Architectural Drawing, Tarleton State College, Stephenville, Texas. 1946.

GARDNER, ROBERT A., Associate Professor of Civil Engineering, Bucknell University, Lewisburg, Pa. 1930.

GARFINK, MALCOLM O., Instructor in Applied Mechanics, 3252 Queenstown Dr., Apt. 101, Mt. Rainier, Md. 1948.

GARLAND, CLYNE F., Professor of Engineering Design, University of California, Berkeley, Calif. 1946.

GARMAN, WARREN D., Professor of Mechanical Engineering, Bucknell University, Lewisburg, Pa. 1935.

GARRELL, BURTON S., Assistant Professor of Mechanical Engineering, Lawrence Institute of Technology, Highland Park, Mich. 1948.

GARRELTS, JEWELL M., Professor and Executive Officer, Dept. of Civil Engineering, Columbia University, New York City. 1935.

GARVER, GERALD H., Technical Instructor, Vocational Dept., University of Houston, Houston, Texas. 1949.

GARWIN, LEO, Professor of Chemical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1948.

GASKELL, ALFRED S., Associate Professor of Engineering Drawing, Iowa State College, Ames, Iowa. 1945.

GASTINEAU, BERT J., Assistant Professor of Electrical Engineering, University of Missouri, Columbia, Mo. 1950.

GATCHELL, OSCAR J., Colonel, Professor and Head, Dept. of Mechanics, U. S. Military Academy, West Point, N. Y. 1946.

GATCOMBE, ERNEST K., Associate Professor of Mechanical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1942.

GATES, ROBERT McF., President, Air Preheater Corp., New York, N. Y. 1949.

GATJE, GEORGE H., Superintendent of Schools, Bay Shore Public Schools, 32 West Lane, Bay Shore, N. Y. 1943.

GATLEY, WALTER R., Instructor in Mechanical Engineering, Illinois Institute of Technology, Chicago, Ill. 1949.

GAUDEFROY, HENRI, Assistant to the Dean and Registrar, Ecole Polytechnique, Montreal, Canada. 1942.

GAUDIN, ANTOINE M., Richards Professor of Mineral Dressing, Massachusetts Institute of Technology, Cambridge, Mass. 1941.

GAULT, ARTHUR E., Dean, Arts and Science, Professor of Mathematics, Bradley University, Peoria, Ill. 1939.

GAULT, JAMES S., Professor of Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1950.

GAUSS, HENRY F., Professor and Head, Dept. of Mechanical Engineering, University of Idaho, Moscow, Idaho. 1926.

GAUTHIER, VICTOR J., Assistant Professor of Mechanical Engineering, New York University, New York, N. Y. 1950.

GAY, NORMAN R., Associate Professor of Heat-Power, Cornell University, Ithaca, N. Y. 1946.

GAYLORD, CHARLES N., Professor and Chairman, Civil Engineering Dept., University of Delaware, Newark, Del. 1937.

GAYLORD, EDWIN H., Professor and Chairman, Dept. of Civil Engineering, Ohio University, Athens, Ohio. 1936.

GEBHARD, JOHN C., Assistant Professor of Civil Engineering, Cornell University, Ithaca, N. Y. 1950.

GEER, ELIHU, Director and Professor of Civil Engineering, University of Detroit, Detroit, Mich. 1947.

GEHMAN, HARRY M., Professor and Head, Dept. of Mathematics, University of Buffalo, Buffalo, N. Y. 1941.

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GEISSLER, HUGO H., Assistant Professor of Petroleum Refining, Colorado School of Mines, Golden, Colo. 1948.

GELDMACHER, R. C., Assistant Professor of Engineering Mechanics, Purdue University, Lafayette, Ind. 1948.

GELINAS, MAURICE E., Assistant Professor of Engineering Drawing, Lowell Textile Institute, Lowell, Mass. 1948.

GELOTTE, ERNEST N., Associate Professor of Architecture, Massachusetts Institute of Technology, Cambridge, Mass. 1943.

GENNARO, JOSEPH J., Lecturer in Civil Engineering, College of the City of New York, New York, N. Y. 1948.

GEORGE, VINCENT C., Instructor in Physics, Los Angeles City College, Los Angeles, Calif. 1931.

GEORGI, CHARLES O., Instructor in Civil Engineering, Villanova College, Villanova, Pa. 1948.

GEORGIAN, JOHN C., Associate Professor of Mechanical Engineering, Washington University, St. Louis, Mo. 1950.

GEPPERT, DONOVAN V., Assistant Professor of Electrical Engineering, University of Arkansas, Fayetteville, Ark. 1950.

GERALD, CURTIS F., Assistant Professor of Chemical Engineering, University of Washington, Seattle, Wash. 1948.

GERARD, GEORGE, Assistant Professor of Aeronautical Engineering, New York University, New York, N. Y.

GERARDI, JASPER, Assistant Dean, College of Engineering, Director, Dept. of Engineering Drawing, University of Detroit, Detroit, Mich. 1929.

GERHARD, G. R., Associate Professor of Mining and Metallurgical Engineering, University of Kentucky, Lexington, Ky. 1948.

GERHARDT, ROYAL M., Dean of Admissions, Professor of Architectural Engineering, The Pennsylvania State College, State College, Pa. 1944.

GERHART, PAUL L., Chief Instructor, RCA Institute, 350 West 4th St., New York 14, N. Y. 1948.

GERLOUGH, DANIEL L., Assistant, Engineering Dept., University of California, Los Angeles, Calif. 1950.

GERMAN, L., Professor of Chemistry, Virginia Military Institute, Lexington, Va. 1946.

GERMANO, FRANK J., Professor of Engineering Mechanics, Louisiana State University, Baton Rouge, La. 1949.

GERSHUN, THEODORE L., Instructor in Mechanical Engineering, University of Washington, Seattle, Wash. 1949.

GERSTER, JACK A., Associate Professor of Chemical Engineering, University of Delaware, Newark, Del. 1947.

GERTZ, FRED H., Dean of Men, Alfred University, Alfred, N. Y. 1939.

GERTZ, STANLEY A. 1948.

GETCHELL, EDWARD L., Professor of Mechanical Engineering, University of New Hampshire, Durham, N. H. 1921.

GEVECKER, VERNON A. C., Associate Professor of Civil Engineering, Missouri School of Mines, Rolla, Mo. 1948.

GHASWALA, SOLI K., Chief Designing Engineer, Concrete Construction and Engineering Co., Fort Bombay, India. 1948.

GIANNINI, MARIO C., Assistant Dean, College of Engineering, and Associate Professor of Mechanical Engineering, New York University, New York, N. Y. 1935.

GIBBS, R. CLIFTON, Chairman, Division of Mathematical and Physical Sciences, National Research Council, Washington, D. C. 1946.

GIBBS, RUSSELL E., Dean of Engineering, Bradley University, Peoria, Ill. 1931.

GIBSON, GEORGE W., JR., Engineer, Marine and Industrial Engineering, Chrysler Corporation, Detroit, Mich. 1950.

GIBSON, JOHN O., Instructor in Engineering, Odessa College, Odessa, Texas. 1949.

GIBSON, MADELEINE, Librarian, Michigan College of M. & T., Houghton, Mich. 1945.

GIBSON, NELSON W., Supervisor of Personnel, Sylvania Electric Products, Inc., Flushing, N. Y. 1949.

GIDDINGS, HORACE A., Professor of Mathematics, New York University, New York, N. Y. 1949.

GIDZINSKI, JOSEPH D., Instructor in Engineering Mechanics, University of Buffalo, Buffalo, N. Y. 1948.

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GIFFIN, BERTRAND L., Engineer, Pacific Transformer Co., Inc., Portland, Ore. 1946.

GIFFT, HOWARD M., Professor of Sanitary Engineering, Cornell University, Ithaca, N. Y. 1941.

GIFT, W. EDGAR, Assistant Supt. of Personnel, Tennessee Eastman Corp., Kingsport, Tenn. 1948.

GILBERT, MERTON L., Chairman, Product Service, General Motors Institute, Flint, Mich. 1949.

GILBERT, WILLIAM W., Professor of Metal Processing, University of Michigan, Ann Arbor, Mich. 1940.

GILBRETH, LILLIAN M., President, Gilbreth, Inc., Montclair, N. J. 1938.

GILCHRIST, GIBB, Chancellor, A. & M. College of Texas, College Station, Texas. 1937.

GILCHRIST, RALPH W. 1948.

GILDEA, R. E. L., Associate Professor of Civil Engineering, University of Virginia, University, Va. 1946.

GILES, ARTHUR G., Assistant Professor of Technical Drawing, Coordinator of Extension Courses, Illinois Institute of Technology, Chicago, Ill. 1947.

GILES, RANALD V., Professor of Civil Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1948.

GILKEY, HERBERT J., Professor and Head, Department of Theoretical and Applied Mechanics, Iowa State College, Ames, Iowa. (*Vice President, 1943–44; Member of Council, 1936–39.*) 1922.

GILLAN, GERALD K., Associate Professor of Civil Engineering, University of Missouri, Columbia, Mo. 1946.

GILLAN, MARTIN J., Associate Professor of Electrical Engineering, Villanova College, Villanova, Pa. 1947.

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GILLY, TERRANCE A., Professor and Head, Mathematics Dept., Bridgeport Engineering Institute, Bridgeport, Conn. 1949.

GILMER, B. VON HALLER, Professor and Head, Dept. of Psychology and Education, Carnegie Institute of Technology, Pittsburgh, Pa. 1948.

GILMOUR, KEITH W., Assistant, Electrical Engineering Dept., Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

GILPIN, CHARLES A., Associate Professor of Mechanical Engineering, University of Wisconsin, Madison, Wis. 1941.

GIRVIN, HARVEY F., Professor of Engineering Mechanics, Purdue University, West Lafayette, Ind. 1927.

GISEL, EUGENE A., Chairman, Chemistry Dept., Fordham University, New York, N. Y. 1949.

GJESDAHL, MAURICE S., Professor of Mechanical Engineering, Pennsylvania State College, State College, Pa. 1938.

GLASGOW, ROY S., Dean, U. S. Naval Post-Graduate School, Annapolis, Md. (*Member of Council, 1950–52.*) 1939.

GLASS, ROBERT H., Instructor in Engineering Mathematics, University of Colorado, Boulder, Colo. 1947.

GLASSCOCK, DWIGHT L., Assistant Professor of Hydraulic Engineering, Louisiana State University, Baton Rouge, La. 1950.

GLEASON, JAMES G., Associate Professor of Mechanical Engineering, University of Arkansas, Fayetteville, Ark. 1940.

GLEEKMAN, LEWIS W., Assistant Professor of Chemical Engineering, University of Delaware, Newark, Del. 1948.

GLEESON, GEORGE W., Dean, School of Engineering, Oregon State College, Corvallis, Ore. 1939.

GLENN, HOWARD E., Vice Director, Engrg. Exp. Station, Engg. Dept., Clemson Agricultural College, Clemson, S. C. 1939.

GLENN, JOE D., Assistant Professor of Civil Engineering, Clemson College, Clemson, S. C. 1949.

GLENN, KARL B., Associate Professor of Electrical Engineering, North Carolina State College, Raleigh, N. C. 1937.

GLENN, W. DAVID, Professor of Civil Engineering, Vanderbilt University, Nashville, Tenn. 1944.

GLENN, WILLIAM H., Chairman, Division of Natural Science, John Muir College, Pasadena, Calif. 1947.

GLENNAN, T. KEITH, President (on leave), Case Institute of Technology, Cleveland, Ohio. 1947.

GLESS, GEORGE E., JR., Assistant Professor of Electrical Engineering, University of Colorado, Boulder, Colo. 1950.

GLICK, ROBERT M., Instructor in Civil Engineering, University of Washington, Seattle, Wash. 1950.

GLOCKLER, GEORGE, Head, Dept. of Chemistry and Chemical Engineering, State University of Iowa, Iowa City, Iowa. 1949.

GLOVER, EDWARD C., Head, Electrical Engineering Dept., California State Polytechnic College, San Luis Obispo, Calif. 1949.

GLOVER, L. E., Lecturer in Mechanical and Civil Engineering, Woolwich Polytechnic, London, S.E., England. 1947.

GODDARD, EARL G., Assistant Professor of Electrical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1941.

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GODIN, CAMILLE R., Professor of Mathematics, Ecole Polytechnique, Montreal, Canada. 1944.

GOETHE, SAM P., Consulting Engineer, 1026 S.W. 6th Ave., Gainesville, Fla. 1948.

GOETZ, ARTHUR W., Director, School of Leather and Tanning Technology, Pratt Institute, Brooklyn, N. Y. 1948.

GOETZENBERGER, RALPH L., Vice President, Minneapolis-Honeywell Regulator Co., 4926 Wisconsin Ave., N.W., Washington 16, D. C. 1946.

GOFF, IRA N., Assistant Professor, Providence, R. I. 1948.

GOGLIA, GENNARO L., Instructor in Mechanical Engineering, Ohio State University, Columbus, Ohio. 1949.

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GOLDMAN, STANFORD, Professor of Electrical Engineering, Syracuse University, Syracuse, N. Y. 1949.

GOLDSMITH, ARTHUR, Program Officer, District Reserve Electronics Warfare, Twelfth Naval District, U. S. Navy, San Francisco, Calif. 1939.

GOLDSMITH, E. 1947.

GOLDSMITH, LEO J., Instructor in Civil Engineering, University of Denver, Denver, Colo. 1950.

GOLDSTEIN, HAROLD, Chief, Occupational Outlook Branch, Bureau of Labor Statistics, U. S. Dept. of Labor, Washington, D. C. 1949.

GOLDSTEIN, MILTON, Dean, American Television Institute of Technology, Chicago, Ill. 1945.

GOLIBER, PAUL F., Instructor in Physics, Institute of Applied Arts and Sciences, State University of New York, Buffalo, N. Y. 1950.

GONZALEZ, ORLANDO, Instituto de Investigacion de Materiales, Universidad Catolica de Chile, Casilla 3821, Santiago, Chile, S. A. 1943.

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GOOD, CHARLES W., Assistant Director, Engineering Research Institute, and Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

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GOOD, RAYMOND A., Assistant Professor of History and Geography, Michigan College of M. & T., Houghton, Mich. 1949.

GOODE, HENRY P., Associate Professor of Mechanical Engineering, Stanford University, Stanford, Calif. 1943.

GOODIER, JAMES N., Professor of Theoretical and Applied Mechanics, Stanford University, Stanford University, Calif. *First Recipient, George Westinghouse Award (1946).* 1941.

GOODHEART, CLARENCE F., Associate Professor of Electrical Engineering, Union College, Schenectady, N. Y. 1949.

GOODMAN, MILTON, Instructor in Mathematics, West Coast University, Los Angeles, Calif. 1950.

GOODMAN, WILLIAM, Professor of Mechanical Engineering, Illinois Institute of Technology, Chicago, Ill. 1944.

GOODRICH, LYNN B. H., Instructor in Mechanical Engineering, University of Maine, Orono, Me. 1949.

GOODSTEIN, ROBERT, Instructor in Applied Mechanics, Iowa State College, Ames, Iowa. 1950.

GOODWIN, JOHN M., Professor of Engineering, Arlington State College, Arlington, Texas. 1947.

GOPPERT, HAROLD R., Assistant Professor of General Engineering Drawing, University of Illinois, Chicago, Ill. 1947.

GORDER, LESLIE O., Director of Training, American Television Labs., Chicago, Ill. 1943.

GORDON, IRVING, Instructor in Engineering Drawing, New York University, New York, N. Y. 1948.

GORDON, PETER B., Engineer, Wolff & Munier, Inc., New York, N. Y. 1949.

GORHAM, ROBERT C., Professor of Electrical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1925.

GORMAN, WM. M., Instructor in Mechanical Engineering, Villanova College, Villanova, Pa. 1940.

GORRILL, WILLIAM R., Instructor in Civil Engineering, University of Maine, Orono, Maine. 1948.

GOSSARD, MYRON L., Aero Research Scientist, National Advisory Committee for Aeronautics, Langley Field, Hampton, Va. 1939.

GOTAAS, HAROLD B., Professor and Head of Civil Engineering, University of California, Berkeley, Calif. 1932.

GOTOLSKI, WILLIAM H., Instructor in Civil Engineering, Ohio University, Athens, Ohio. 1948.

GOTTSCHALL, CLARENCE R., Assistant Professor of Mechanical Engineering, University of Delaware, Newark, Del. 1949.

GOULD, ARTHUR F., Assistant Professor of Industrial Engineering, Lehigh University, Bethlehem, Pa. 1948.

GOULD, GILBERT B., Instructor in Electrical Engineering, University of New Hampshire, Durham, N. H. 1947.

GOULD, JAY R., Associate Professor of English, Rensselaer Polytechnic Institute, Troy, N. Y. 1941.

GOULD, M. IRWIN, Superintendent, Personnel Relations, Allied Chemical and Dye Corp., Buffalo, N. Y. 1949.

GOURRICH, GEORGE E., Mathematician, Bureau of Standards, University of California, Los Angeles, Calif. 1950.

GOVIN, CHARLES T., Instructor in Engineering Drawing Dept., Itasca Junior College, Coleraine, Minn. 1950.

GRABSKI, JOHN D., Assistant Professor of Mechanical Engineering, Youngstown College, Youngstown, Ohio. 1947.

GRACE, CHARLES T., Professor of Mechanical Engineering, University of New Mexico, Albuquerque, N. M. 1942.

GRACIDA, HENRY J., JR., Assistant Instructor in Architecture, University of Houston, Houston, Texas. 1950.

GRACIE, ARDEN E., Instructor of D.T.I., Purdue University, Lafayette, Ind. 1948.

GRAEFFE, EDWIN O., Dean, College of Business Administration, Lawrence Institute of Technology, Highland Park, Mich. 1947.

GRAETZER, GUNTHER R., Professor and Head of Aeronautical Engineering, USAF Institute of Technology, Wright Field, Dayton, Ohio. 1948.

GRAF, SAMUEL H., Professor and Head, Dept. of Mechanical Engineering, Director of Engineering Research, Oregon State College, Corvallis, Ore. 1940.

GRAFF, WM. J., JR., Instructor in Machine Design, Purdue University, Lafayette, Ind. 1950.

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GRAHAM, WALTER W., Professor of Applied Mathematics, Vanderbilt University, Nashville, Tenn. 1939.

GRALAK, STANLEY D., Assistant Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1946.

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GRAMSTORFF, EMIL A., Professor and Head, Dept. of Civil Engineering, Northeastern University, Boston, Mass. 1926.

GRANDI, LOUIS L., Associate Professor of Electrical Engineering, University of California, Los Angeles, Calif. 1937.

GRANEY, MAURICE R., Supervisor of Technical Institute, Purdue University, Lafayette, Ind. 1943.

GRANNEMANN, WAYNE W., Instructor in Engineering, Arkansas Polytechnic College, Russellville, Ark. 1950.

GRANGER, ARMOUR T., Professor and Head, Dept. of Civil Engineering, University of Tennessee, Knoxville, Tenn. 1939.

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GRANT, HIRAM E., Professor and Head, Dept. of Engineering Drawing, Washington University, St. Louis, Mo. 1937.

GRANT, HOMER H., Professor of General Engineering, University of Southern California, Los Angeles, Calif. 1949.

GRANT, ROBERT W., Assistant Professor of Engineering Drawing, Wayne University, Detroit, Mich. 1946.

GRANTHAM, GUY E., Professor of Physics, Cornell University, Ithaca, N. Y. 1928.

GRASSHOFF, LYNN H., Associate Professor of Electrical Engineering, Texas A. & M. College, College Station, Texas. 1948.

GRASSI, RAYMOND C., Assistant Professor of Mechanical Engineering, University of California, Berkeley, Calif. 1946.

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GRATZER, LOUIS B., Research Associate, Aeronautical Engineering, University of Washington, Seattle, Wash. 1950.

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GRAVES, HARRY P., Vice President, McGraw-Hill Book Co., 330 West 42nd St., New York 18, N. Y. 1944.

GRAVES, LEROY D., Assistant Professor of Civil Engineering, University of Notre Dame, Notre Dame, Ind. 1950.

GRAVES, QUINTIN B., Professor of Civil Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1939.

GRAY, CHARLES H., Head, Dept. of English, Rensselaer Polytechnic Institute, Troy, N. Y. 1947.

GRAY, GEORGE A., Assistant Professor of Civil Engineering, Clarkson College, Potsdam, N. Y. 1950.

GRAY, HAROLD E., Assistant Professor of Agricultural Engineering, Cornell University, Ithaca, N. Y. 1949.

GRAY, JAMES L., Instructor in General Engineering, Oregon State College, Corvallis, Ore. 1950.

GRAY, JOHN C., Professor Emeritus of Electrical Engineering, U. S. Naval Academy, Annapolis, Md. *Life member.* 1920.

GRAY, TRUMAN S., Associate Professor of Engineering Electronics, Massachusetts Institute of Technology, Cambridge, Mass. 1939.

GRAY, WILLARD F., Professor of Electrical Engineering, University of Alabama, University, Ala. 1938.

GREAVER, LAURENCE, Assistant Professor of Drawing, University of Virginia, Charlottesville, Va. 1950.

GREAVES, JOHN D., Representative, Publishing Dept., International Textbook Co., Kansas City, Mo. 1949.

GREAVES-WALKER, A. F., Research Engineer, Engineering Experiment Station, University of Florida, Gainesville, Fla. (*Member of Council, 1944–46.*) *Life member.* 1925.

GRECCO, WILLIAM L., Instructor in Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

GRECO, CARMELO S., Assistant Director, Connecticut Engineering Institute, Hartford, Conn. 1949.

GREELEY, CHARLES E., Associate Professor of Mechanical Engineering, George Washington University, Washington, D. C. 1948.

GREEN, BOYNTON M., Professor of Mechanical Engineering, Stanford University, Stanford, Calif. 1925.

GREEN, FOREST H., Research Engineer, Civil Engineering, Purdue University, Lafayette, Ind. 1948.

GREEN, GILES G., Assistant Professor of Civil Engineering, Cooper Union, New York, N. Y. 1947.

GREEN, JAMES W., Colonel and Professor of Electrical Engineering, U. S. Military Academy, West Point, N. Y. 1948.

GREEN, PARKER M., Associate Professor and Head, Dept. of Industrial Engineering, Texas Technological College, Lubbock, Texas. 1947.

GREEN, RALPH H., Instructor in Electrical Engineering, Colorado A. & M. College, Fort Collins, Colo. 1948.

GREEN, RAYMOND E., Chairman, Mechanics and Minerals, Fenn College, Cleveland, Ohio. 1949.

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GREENBAUM, BERNARD A., Assistant Professor of Physics, Newark College of Engineering, Newark, N. J. 1947.

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GREENE, HOKE S., Dean, Graduate School of Arts & Sciences, University of Cincinnati, Cincinnati, Ohio. 1950.

GREENLY, RUSSELL J., Asst. Director of Personnel Relations, Jones & Laughlin Steel Corporation, Pittsburgh, Pa. 1949.

GREENSHIELDS, BRUCE D., Professor of Civil Engineering, George Washington University, Washington, D. C. 1948.

GREENSTEIN, PHILIP, Professor of Electrical Engineering, New York University, New York City. 1938.

GREENWALD, DAKOTA U., Associate Professor of Administrative Engineering, Syracuse University, Syracuse 10, N. Y. 1938.

GREFFE, C. DALE, Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1940.

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GRIFFIN, DONALD F., Associate Professor of Civil Engineering, University of Southern California, Los Angeles, Calif. 1947.

GRIFFIN, FRED S., Professor and Head, Dept. of Mechanical Engineering, University of Akron, Akron, Ohio. 1922.

GRIFFIN, NORVILLE D., Assistant Professor of Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1950.

GRIFFIS, LE VAN, Professor and Chairman, Dept. of Mechanics, Illinois Institute of Technology, Chicago, Ill. 1944.

GRIFFIS, WILLIAM K., Assistant Professor of Mechanical Engineering, University of Texas, Austin, Texas. 1947.

GRIFFITH, DALZELL M., Professor and Chairman, Dept. of Civil Engineering, Bucknell University, Lewisburg, Pa. 1924.

GRIFFITH, FULLER O., JR., Assistant Professor of Drawing and Descriptive Geometry, University of Wisconsin, Madison, Wis. 1947.

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GRIGORIEFF, W. W., Director, Institute of Science and Technology, University of Arkansas, Fayetteville, Ark. 1949.

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GRISET, HENRY E., Associate Professor of Civil Engineering, North Carolina State College, Raleigh, N. C. 1942.

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GRISWOLD, EDWARD M., Assistant Professor of Machine Design and Engineering Drawing, The Cooper Union, New York City. 1944.

GROGAN, WILLIAM R., Assistant Professor of Electrical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1950.

GROGGINS, PHILIP H., Technical Advisor to Chief, Bureau of Agri. and Ind. Chem., U. S. Dept. of Agriculture, Washington, D. C. 1948.

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GRONQUIST, CARL H., Associate Engineer, D. B. Steinman Consulting Engineers, New York, N. Y. 1949.

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GROSECLOSE, FRANK F., Professor and Head, School of Industrial Engineering, Georgia Institute of Technology, Atlanta, Ga. 1937.

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GROSS, HARRY M., Treasurer and Business Manager, Case Institute of Technology, Cleveland, Ohio. 1949.

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GROVE, ARTHUR W., Assistant Professor of Electrical Engineering, Missouri School of Mines, Rolla, Mo. 1948.

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GUARD, HARRIS T., Professor of Mathematics, Colorado A. & M. College, Fort Collins, Colo. 1948.

GUDEBSKI, HENRY C., Assistant Professor of Metallurgy, University of Detroit, Detroit, Mich. 1942.

GUENTHER, OTTO V., Head, Mechanical and Metallurgical Depts., New York State Institute of Applied Arts and Sciences, Buffalo, N. Y. 1948.

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GUERDAN, GEORGE A., Associate Professor of Mechanical Engineering, College of the City of New York, New York, N. Y. 1938.

GUERNSEY, ROSCOE, Research Fellow, Mechanics, Illinois Institute of Technology, Chicago, Ill. 1941.

GUERRIERI, SALVATORE A., Assistant Professor of Chemical Engineering, University of Delaware, Newark, Del. 1948.

GUESS, ROBERT H., Instructor in Electrical Engineering, Mississippi State College, State College, Miss. 1947.

GUIDON, MICHAEL, Instructor in Mechanical Engineering, University of Washington, Seattle, Wash. 1949.

GUILLARD, EUGENE, Professor of Civil Engineering, Tri State College, Angola, Ind. 1947

GUILLEMIN, ERNST A., Professor of Electrical Communications, Massachusetts Institute of Technology, Cambridge, Mass. 1944.

GUILLOU, RENE, Professor of Agricultural Engineering, University of Hawaii, Honolulu 14, T. H. 1946.

GUINN, JOHN R., Assistant Professor, Engineering Division, Texas College of A. & I., Kingsville, Texas. 1950.

GULDEMANN, EUGENE J., Associate Professor of Civil Engineering, Texas Western College, El Paso, Texas. 1947.

GULDEN, KERMIT R., Assistant Professor of Engineering Drawing, Rensselaer Polytechnic Institute, Troy, N. Y. 1947.

GULLETTE, GEORGE A., Head, Dept. of Social Studies, North Carolina State College, Raleigh, N. C. 1947.

GULLIKSON, ALBERT C., Assistant Professor of General Engineering, University of Washington, Seattle, Wash. 1943.

GUNDER, DWIGHT F., Professor and Head, Dept. of Mechanics, Cornell University, Ithaca, N. Y. 1938.

GUNDLACH, JOHN T., Instructor in Electrical Engineering, Pratt Institute, Brooklyn, N. Y. 1950.

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GUSTAFSON, BERNHARD G., Assistant Professor of Chemistry, University of North Dakota, Grand Forks, N. D. 1948.

GUTHRIE, ALBERT N., Associate Professor of Physics, Brooklyn College, Brooklyn 10, N. Y. 1937.

GUTHRIE, GEORGE W., Assistant Instructor in Engineering Drawing, Marquette University, Milwaukee, Wis. 1950.

GUTHRIE, LEDRU O., Assistant Professor of English, University of Minnesota, Minneapolis, Minn. 1938.

GUY, JAMES L., Assistant Professor of Civil Engineering, University of New Mexico, Albuquerque, N. M. 1948.

GWIAZDOWSKI, ALEXANDER P., Professor of Mechanical Engineering, Tri-State College, Angola, Ind. 1948.

GWINN, IRA J., Assistant Professor of Physics, Morningside College, Sioux City 20, Iowa. 1934.

GYTE, MILLARD E., District Manager, Technical Extension Division, Purdue—Calumet Center, Hammond, Ind. 1948.

HAAS, EUGENE G., Professor and Head of Chemistry, Fenn College, Cleveland, Ohio. 1950.

HAAS, WENDALL M. B., Liaison Engineer, Douglas Aircraft Co., El Segundo, Calif. 1948.

HACKETT, ARTHUR J., Instructor in Engineering, N. Y. State Institute of Applied Arts and Sciences, White Plains, N. Y. 1950.

HADLOCK, CLAY, Engineer, Hughes Aircraft Co., Culver City, Calif. 1950.

HAENTJENS, CHARLES H., Instructor in Drawing and Mathematics, Santa Rosa Junior College, Santa Rosa, Calif. 1939.

HAERTLEIN, ALBERT, Gordon McKay Professor of Civil Engineering, Harvard University, Cambridge, Mass. 1929.

HAESSLY, STUART B., Chief Engineer, Donaldson Company, Inc., 666 Pelham Blvd., St. Paul 4, Minn. 1948.

HAGEN, R. R., Assistant Professor of Engineering Drawing, Michigan College of M. & T., Houghton, Mich. 1945.

HAGERTY, WILLIAM W., Associate Professor of Engineering Mechanics, University of Michigan, Ann Arbor, Mich. 1947.

HAGGERTY, GERALD B., Assistant Professor of Mathematics, Rhode Island State College, Kingston, R. I. 1948.

HAINER, LINTON, Associate Professor of Industrial Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1949.

HAINES, D. DON, Associate Professor of Civil Engineering, University of Kansas, Lawrence, Kans. 1935.

HAINEY, MELVIN F., Assistant Professor of Drawing, University of Texas, Austin, Texas. 1948.

HAIRE, EDWIN I., Assistant Professor of Mathematics, Lawrence Institute of Technology, Highland Park, Mich. 1948.

HAIRSTON, RAYMOND L., Assistant Director, Cooperative Program, University of Houston, Houston, Texas. 1950.

HALES, VIRGIL D., Associate Professor and Head, Dept. of Engineering Drawing, Fenn College, Cleveland, Ohio. 1930.

HALEY, SHUBEL C., Assistant Professor of Electrical Engineering, Rhode Island State College, Kingston, R. I. 1948.

HALL, ALLEN S., Associate Professor of Mechanical Engineering, Purdue University, Lafayette, Ind. 1944.

HALL, AMY V., Professor of Humanistic-Social (Engineering), University of Washington, Seattle, Wash. 1925.

HALL, CHARLES W. 1948.

HALL, CLARENCE A., Assistant Research Coordinator, Research Laboratory, Ethyl Corp., 1600 W. 8 Mile Rd., Detroit, Mich. 1939.

HALL, CLARENCE E., Instructor in Engineering Drawing, University of Tennessee, Knoxville, Tenn. 1948.

HALL, DAVID J., Professor of Civil Engineering, University of Arizona, Tucson, Ariz.

HALL, EMILE S., Assistant Professor of Mechanical Engineering, Stevens Institute of Technology, Hoboken, N. J. 1947.

HALL, FRANCIS T., JR., Professor & Acting Head of Electrical Engineering, Pennsylvania State College, State College, Pa. 1950.

HALL, GEORGE L., Instructor in Electrical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

HALL, H. LAWRENCE, 1722 N. Yale, Wichita 14, Kans. 1949.

HALL, HOWARD P., Assistant Professor of Civil Engineering, Northwestern University, Evanston, Ill. 1948.

HALL, NEWMAN A., Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

HALL, STANLEY G., Professor of General Engineering Drawing, University of Illinois, Urbana, Ill. 1938.

HALL, STANLEY R., Research Engineer, Chaney Laboratories, Burbank, Calif. 1936.

HALL, VORIS B., Head, Engineering, Wilkes College, Wilkes-Barre, Pa. 1927.

HALL, WALTER C., Personnel Supervisor, Illinois Bell Tel Co., 212 W. Washington St., Chicago 6, Ill. 1946.

HALL, WARREN A., Lecturer in Engineering, University of California, Los Angeles, Calif. 1947.

HALL, WESLEY B., Professor and Head, Dept. of Electrical Engineering, Rhode Island State College, Kingston, R. I. 1925.

HALL, WILLIAM H., Dean, College of Engineering, Duke University, Durham, N. C. 1927.

HALLER, GEORGE L., Dean, School of Chemistry and Physics, Pennsylvania State College, State College, Pa. 1944.

HALSEY, HUGH, Senior Instructor in Physics, N. Y. State Institute of Applied Arts and Sciences, White Plains, N. Y. 1933.

HALSEY, JAMES F., Research Assistant Professor of Fluid Mechanics, University of Illinois, Urbana, Ill. 1949.

HAMILTON, DEWITT, C., JR., Assistant Professor of Heat Transfer, Purdue University, Lafayette, Ind. 1949.

HAMILTON, DONALD A., Head, Architecture and Applied Art, Oklahoma A. & M. College, Stillwater, Okla. 1950.

HAMILTON, EDW. P., President, John Wiley & Sons, Inc., 440 Fourth Ave., New York 16, N. Y. 1914.

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HAMILTON, HANCE C., Assistant Professor of Mechanical Engineering, Michigan College of M. & T., Houghton, Mich. 1949.

HAMILTON, HERBERT J., Instructor in Mechanical Engineering, Michigan State College, East Lansing, Mich. 1950.

HAMILTON, WALLIS S., Associate Professor of Civil Engineering, Northwestern University, Evanston, Ill. 1948.

HAMLEN, EARLE K., Associate Professor of Mechanical Engineering, University of Akron, Akron, Ohio. 1946.

HAMM, ALTON S., Assistant Professor of Civil Engineering, University of Maine, Orono, Maine. 1947.

HAMMANN, JOHN W., Instructor in Electrical Engineering, Washington University, St. Louis, Mo. 1947.

HAMNER, B. B., Associate Professor of Aeronautical Engineering, Texas A. & M. College, College Station, Texas. 1950.

HAMMER, CHARLES F., Engineering Manager, Eng. Div., Westinghouse Air Brake Co., Wilmerding, Pa. 1949.

HAMMER, JAMES L., Associate Professor of Civil Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1946.

HAMMER, VERNON B., Instructor in General Engineering, University of Washington, Seattle, Wash. 1949.

HAMMETT, CECIL E., Professor and Head, Engineering Drawing, Alabama Polytechnic Institute, Auburn, Ala. 1950.

HAMMERSHAIMB, GEORGE T., Lecturer, Mechanical Engineering, Swarthmore College, Swarthmore, Pa. 1950.

HAMMOND, GEORGE H., Associate Professor of Electrical Engineering, Tufts College, Medford 55, Mass. 1948.

HAMMOND, HARRY P., Dean, School of Engineering, The Pennsylvania State College, State College, Pa. (*Director of Summer Schools for Engineering Teachers, 1927–33; Associate Director of Investigations, 1923–29; Member of Council, 1927–30, 1934–46; Vice President, 1934–35; President, 1936–37.*) *Eighteenth Recipient, Lamme Medal (1945).* 1916.

HAMMOND, ROBERT H., Instructor in General Engineering, Purdue University, Lafayette, Ind. 1946.

HAMPTON, WILLIAM C., Associate Professor of Mechanical Engineering, Villanova College, Villanova, Pa. 1949.

HAMMOND, THOMAS M., Head, Dept. of Engineering and Physics, Schreiner Institute, Kerrville, Texas. 1940.

HANCOCK, GEORGE W., Electrical Coordinator, Cooperative Training, Fenn College, Cleveland, Ohio. 1950.

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HANES, JAMES C., Professor of Civil Engineering, Rutgers University, New Brunswick, N. J. 1950.

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HANLEY, GEORGE P., Instructor in Engineering Drawing, University of Detroit, Detroit, Mich. 1947.

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HANRAHAN, GEORGE E. 1946.

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HANSON, LORING O., Associate Professor of Applied Mechanics, University of Kansas, Lawrence, Kans. 1950.

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HANSON, WALTER E., Associate Professor of Civil Engineering, University of Illinois, Urbana, Ill. 1943.

HANSTEEN, HENRY B., Professor of Electrical Engineering, The City College of N. Y., New York, N. Y. 1938.

HAPPEL, JOHN, Professor and Head, Dept. of Chemical Engineering, New York University, New York City, N. Y. 1948.

HARBISON, CLYDE L., Instructor in Mathematics, South Dakota School of Mines and Technology, Rapid City, S. D. 1947.

HARBOUR, RICHARD D., Instructor in Electrical Engineering, State College of Washington, Pullman, Wash. 1948.

HARDAWAY, B. A., Instructor in Engineering Drawing, A. & M. College of Texas, College Station, Texas. 1947.

HARDENBERGH, DONALD E., Assistant Professor of Engineering Mechanics, Pennsylvania State College, State College, Pa. 1948.

HARDER, KEITH C., Head, Science Education, Office of Naval Research, Navy Dept., Washington, D. C. 1947.

HARDER, OSCAR E., Consultant, Physical Metallurgy Department, Battelle Memorial Institute, Columbus, Ohio. 1925.

HARDGRAVE, J. COYNE, Professor of Mechanical Engineering, Texas Technological College, Lubbock, Texas. 1930.

HARDGRAVE, JACK M., Instructor in Mechanical Engineering, New Mexico College of A. & M., State College, N. M. 1949.

HARDING, ALBERT H., Instructor in Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

HARDING, FENTON, Associate Professor of Civil Engineering, Texas Technological College, Lubbock, Texas. 1950.

HARDING, GEORGE H., Professor of Civil Engineering, The Ohio State University, Columbus, Ohio. 1930.

HARDING, SAMUEL R., Supt. of Manufacturing Laboratory, State University of Iowa, Iowa City, Iowa. 1945.

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HARLOW, HENRY G., Acting Chairman of Civil Engineering, Union College, Schenectady, N. Y. 1942.

HARLOW, JAMES G., Director, High School Science Service, and Instructor in Physics, University of Oklahoma, Norman, Okla. 1949.

HARMAN, WILLIS W., Associate Professor of Electrical Engineering, University of Florida, Gainesville, Fla. 1949.

HARNESS, GEORGE T., Professor and Head, Dept. of Electrical Engineering, University of Southern California, Los Angeles 7, Calif. 1941.

HARPER, ARTHUR C., President, Wyomissing Polytechnic Institute, Wyomissing, Pa. 1911.

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HARRELSON, JOHN W., Chancellor, North Carolina State College, Raleigh, N. C. 1933.

HARRINGTON, JOHN M., Professor and Head, Department of Mathematics, Michigan College of M. & T., Houghton, Mich. 1943.

HARRINGTON, LOUIS C., Dean, College of Engineering, University of North Dakota, Grand Forks, N. D. 1936.

HARRINGTON, ROBERT L., Assistant Professor of Mechanical Engineering, Tufts College, Medford, Mass. 1941.

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HARRIS, ELLWOOD K., Chairman, Drawing and Design Dept., General Motors Institute, Flint 2, Mich. 1946.
HARRIS, HENRY E., Instructor in Engineering and Mathematics, Contra Costa Junior College, Martinez East Campus, Calif. 1943.
HARRIS, JAMES B., Instructor, Technical Department, Central Radio and Television Schools, Kansas City, Mo. 1950.
HARRIS, L. DALE, Associate Professor of Electrical Engineering, University of Utah, Salt Lake City, Utah. 1943.
HARRIS, MARK P., Assistant Professor of Engineering Drawing and Mechanics, Georgia Institute of Technology, Atlanta, Ga. 1946.
HARRIS, ROBERT B., Assistant Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. 1948.
HARRIS, WILLIAM W., Assistant Professor of Aeronautical Engineering, University of Minnesota, Minneapolis, Minn. 1947.
HARRISON, ARTHUR E., Associate Professor of Electrical Engineering, University of Washington, Seattle 5, Wash. 1949.
HARRISON, ED. M., Coordinator, School of Engineering, Southern Methodist University, Dallas 5, Texas. 1939.
HARRISON, JOHN B., Vice President, Rotary Lift Co., Memphis, Tenn. 1949.
HARRISON, JOHN W., Instructor in Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1948.
HARRISON, ROBERT M. 1949.
HARROUN, DALE T., Associate Professor of Civil Engineering, University of Pennsylvania, Philadelphia, Pa. 1949.
HART, BERNARD E., Associate Professor of Engineering Drawing, Arkansas A. & M. College, Monticello, Ark. 1950.
HARTENBERG, RICHARD S., Associate Professor of Mechanics, Dept. of Civil Engineering, Northwestern Technological Institute, Evanston, Ill. 1930.
HARTIG, HENRY E., Professor and Head, Department of Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1922.
HARTLEY, LODWICK C., Professor and Head, Dept. of English, North Carolina State College, Raleigh, N. C. 1948.
HARTLEY, THOMAS C., Assistant in General Engineering Drawing, University of Illinois, Urbana, Ill. 1950.
HARTMAN, DAVID K., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.
HARTMAN, JAMES B., Associate Professor of Mechanical Engineering, Lehigh University, Bethlehem, Pa. 1947.
HARTMAN, PAUL, Assistant Professor of Civil Engineering, College of the City of New York, New York City. 1940.
HARTMAN, WILLIAM T., 20 Elliott St., Charleston 1, S. C. 1948.
HARTSAW, WILLIAM O., Instructor, Engineering, Evansville College, Evansville, Ind. 1950.
HARTSOOK, ARTHUR J., Professor of Chemical Engineering, Rice Institute, Houston, Texas. 1938.
HARTUNG, WALTER M., Vice President, Director of Training, Academy of Aeronautics, LaGuardia Field, N. Y. 1947.
HARTY, JOHN H., Professor and Head, Dept. of Physics, New Mexico School of Mines, Socorro, N. M. 1948.
HASHMALL, MAURICE L., Instructor in Electrical Engineering, Pratt Institute, Brooklyn, N. Y. 1948.
HASKINS, ELMER E., Associate Professor of Mathematics, Fenn College, Cleveland, Ohio. 1932.
HASSEL, ELMER W., Head, Electrical Engineering, Milwaukee School of Engineering, Milwaukee, Wis. 1950.
HASSLER, GERALD L., Lecturer in Engineering, University of California, Los Angeles, Calif. 1949.
HASSLER, PAUL C., JR., Instructor in Engineering, Texas Western College, El Paso, Texas. 1950.
HASTINGS, HUDSON B., Professor of Economics, Chairman, Department of Industrial Administration, Yale University, New Haven, Conn. 1928.
HATCH, JOHN P., Assistant Professor of Mechanical Engineering, Thayer School of Engineering, Hanover, N. H. 1948.
HATCHER, LUTHER W., Assistant Professor of Building Construction, Lincoln University, Jefferson City, Mo. 1947.
HATCHER, THOMAS W., Professor of Mathematics, Virginia Polytechnic Institute, Blacksburg, Va. 1935.
HATHAWAY, ARTHUR S., Assistant Professor of Engineering Drawing, Northwestern University, Evanston, Ill. 1934.
HATHAWAY, SAMUEL D., Assistant Professor of Electrical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1950.
HATTRUP, HUBERT E., Associate Professor of Electrical Engineering, University of Idaho, Moscow, Idaho. 1941.
HAUBER, CECIL, Professor and Head, Civil Engineering Dept., Tri-State College, Angola, Ind. 1948.
HAUPT, LEWIS M., Professor of Electrical Engineering, A. & M. College of Texas, College Station, Texas. 1937.
HAUSENBAUER, CHARLES R., Assistant Professor of Electrical Engineering, University of Arizona, Tucson, Ariz. 1948.
HAUSER, ERNST A., Professor of Colloid Chemistry, Massachusetts Institute of Technology, Cambridge, Mass. 1943.
HAUSER, JAMES J., Assistant Professor of Industrial Engineering, University of Southern California, Los Angeles, Calif. 1947.
HAUSMAN, ELMER L. 1948.
HAUSMANN, ERICH, Dean and Professor of Physics, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1926.
HAWK, HAROLD W., Assistant Professor of English, University of Colorado, Boulder, Colo. 1947.
HAWK, MINOR C. 1949.
HAWKES, JOHN B., Professor of Physics, Stevens Institute of Technology, Hoboken, N. J. 1939.
HAWKINS, GEORGE A., Associate Director, Engineering Experiment Station, and Professor of Thermodynamics, Purdue University, Lafayette, Ind. 1930.
HAWKINS, HAROLD V., Professor of Civil Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.
HAWKINS, ROBERT D., Professor of Applied Mechanics and Head, General Engineering Dept., University of Kentucky, Lexington, Ky. 1939.
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HAWTHORNE, QUINTIN J., Professor and Head, Dept. of Aeronautics, Tri-State College, Angola, Ind. 1948.
HAXBY, BERNARD V., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.
HAY, EARL D., Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1915.

HAYCOCK, OBED C., Professor of Electrical Engineering, University of Utah, Salt Lake City, Utah. 1948.

HAYES, ANDREW J., Geophysical Service, Inc., 6000 Lemmon Ave., Dallas, Texas. 1947.

HAYES, CHARLES P., Assistant Professor of Engineering Drawing, University of Alabama, University, Ala. 1949.

HAYES, JOHN M., Associate Professor of Structural Engineering, Purdue University, Lafayette, Ind. 1945.

HAYNES, HAROLD A., Associate Superintendent Public Schools, Washington, D. C. 1942.

HAYNES, HILLIARD G., Associate Professor of Civil Engineering, The Citadel, Charleston, S. C. 1936.

HAYS, FRANK B., 412 Kipling St., Palo Alto, Calif. 1939.

HAYWARD, HAROLD N., Associate Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1936.

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HAZELTON, RUSSELL F., Associate Professor of Chemical Engineering, North Carolina State College, Raleigh, N. C. 1948.

HAZEN, HAROLD L., Professor and Head, Dept. of Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1938.

HAZEN, JOHN W., Research Engineer and Lecturer, University of California, Los Angeles 24, Calif. 1932.

HAZEN, LESLIE E., Professor of Agricultural Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1940.

HEACOCK, FRANK A., Associate Professor and Head, Dept. of Graphics and Engineering Drawing, Princeton University, Princeton, N. J. 1926.

HEAD, ROBERT R., Assistant Prof. of Mechanical Engineering, Washington State College, Pullman, Wash. 1950.

HEADLAND, CHARLES, Instructor in Engineering, Grove City College, Grove City, Pa. 1947.

HEADDY, PAUL B., Assistant Professor of English and History, Rose Polytechnic Institute, Terre Haute, Ind. 1950.

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HEANY, ARTHUR G., Vice President and Manager, College Department, D. Van Nostrand Company, Inc., 250 4th Avenue, New York, N. Y. 1929.

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HEATH, EDWARD B., Head, Div. of Technical Vocational Education, San Bernardino Valley Junior College, San Bernardino, Calif. 1935.

HEATH, GEORGE L., Instructor in Mechanical Engineering, University of Toledo, Toledo, Ohio. 1948.

HEATH, HAROLD E., Chief, Human Relations Training Department, Western Electric Co., Hawthorne Station, Chicago, Ill. 1947.

HEBEL, IVAN L., Professor and Head, Dept. of Mathematics, Colorado School of Mines, Golden, Colo. 1947.

HEBERLING, WILLIAM W., Instructor in Electrical Engineering, Newark College of Engineering, Newark, N. J. 1949.

HEBRANK, EUGENE F., Assistant Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1940.

HECHLER, FRED G., Director Emeritus, Engineering Experiment Station, Pennsylvania State College, State College, Pa. 1948.

HECKER, CHARLES H., Professor and Head, Depts. of Chemical Engineering and Chemistry, Clarkson College of Technology, Potsdam, N. Y. 1947.

HECKMAN, RUSSELL F., Instructor in Chemical Engineering, University of Colorado, Boulder, Colo. 1949.

HEDENBERG, NORMAN, Teacher of Physics, Chicago City Junior College, Wright Branch, Chicago, Ill. 1939.

HEDINGER, HOWARD E., Head Instructor in Drafting, Henry Ford Trade School, Dearborn, Mich. 1948.

HEDRICH, WALTER A., Assistant Professor of Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1946.

HEFLIN, STERLING M., Professor and Head, Dept. of Physics, Virginia Military Institute, Lexington, Va. 1946.

HEFNER, RALPH A., Dean of General Studies, Georgia Institute of Technology, Atlanta, Ga. 1946.

HEHNER, LEONARD A., Advertising and Sales Promotion Manager, American Lead Pencil Company, Hoboken, N. J. 1950.

HEIBERG, ELVIN R., Professor of Mechanics, U. S. Military Academy, West Point, N. Y. 1950.

HEIDEMAN, BERT R. M., Associate Professor of History, Geography and Political Science, Michigan College of M. & T., Houghton, Mich. 1950.

HEIL, LOUIS M., Dept. of Education, Brooklyn, N. Y. 1943.

HEILIG, LOUIS S., Associate Professor of Mining, University of Minnesota, Minneapolis, Minn. 1945.

HEIMERICH, JOHN J., Associate Professor and Head, Dept. of Architectural Engineering, University of New Mexico, Albuquerque, N. M. 1946.

HEINE, RICHARD W., Assistant Professor of Metallurgical Engineering, University of Wisconsin, Madison, Wis. 1950.

HEINLEIN, REX L., JR., Associate Professor of Electricity, United States Military Academy, West Point, N. Y. 1945.

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HEISE, HENRY A., Instructor in Mechanical Engineering, Marquette University, Milwaukee, Wis. 1950.

HEIPLE, LOREN R., Professor and Head, Civil Engineering Department, University of Arkansas, Fayetteville, Ark. 1950.

HEISS, JOHN F., Assistant Professor of Chemical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

HEITZMAN, EUGENE M., Instructor in Civil Engineering, University of Houston, Houston, Texas. 1949.

HELANDER, LINN, Professor and Head, Department of Mechanical Engineering, Kansas State College, Manhattan, Kans. 1935.

HELLER, RALPH, Associate Professor of Physics, Worcester Polytechnic Institute, Worcester 2, Mass. 1943.

HELLWARTH, ARLEN R., Assistant to the Employment Manager, Detroit Edison Co., Detroit, Mich. 1948.

HELME, GEORGE C., Assistant Professor of Mathematics, Pratt Institute, Brooklyn, N. Y. 1947.

HELTZEL, EDWARD N., Assistant Professor of Engineering, Wilkes College, Wilkes-Barre, Pa. 1949.

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HEMKE, PAUL E., Dean of Faculty and Head, Dept. of Aeronautical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1943.

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HEMPSTEAD, JEAN C., Professor of General Engineering, Iowa State College, Ames, Iowa. 1935.

HENDERSON, CLARK D., Instructor in Industrial Engineering, Stanford University, Stanford, Calif. 1950.

HENDERSON, DAVID E., Head, Dept. of Industrial Engineering, North Carolina State College, Raleigh, N. C. 1948.

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HENDRICKSON, HAROLD M., Associate Professor of Mechanical Engineering, University of Washington, Seattle, Wash. 1950.

HENDRICKSON, KARL N., Associate Professor of Civil Engineering, University of Massachusetts, Amherst, Mass. 1948.

HENDRIKS, HAROLD J., Assistant Professor of Electrical Engineering, University of Nevada, Reno, Nev. 1948.

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HENNINGER, G. ROSS, Professor of Electrical Engineering, Engineering Extension Service, Iowa State College, Ames, Iowa. 1940.

HENRY, GEORGE F., Head, Dept. of Industrial Arts, Colorado State College, Ft. Collins, Colo. 1939.

HENRY, HERMAN L., Associate Professor of Mechanical Engineering, Louisiana Polytechnic Institute, Ruston, La. 1942.

HENRY, JOHN A., Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1941.

HENRY, LAURENCE O., Instructor in Civil Engineering, North Dakota Agricultural College, Fargo, N. D. 1946.

HENRY, LEVI L., Assistant Dean, College of Engineering, Detroit Institute of Technology, Detroit, Mich. 1944.

HENRY, LYELL D., Assistant Professor of General Engineering, Iowa State College, Ames, Iowa. 1948.

HENSHAW, CHARLES N., Associate Professor of Mechanical Engineering, Clarkson College of Technology, Potsdam, N. Y. 1930.

HEPPINSTALL, ROBERT S., 715 Church, Ann Arbor, Mich. 1948.

HERMES, RICHARD M., Professor and Chairman of Mechanical Engineering Research Dept., University of Santa Clara, Santa Clara, Calif. 1943.

HERNDON, LYLE K., Professor of Chemical Engineering, The Ohio State University, and Director of Research, Mathieson Chemical Corp., Columbus, Ohio. 1938.

HEROD, WILLIAM R., President, International General Electric Co., New York, N. Y. 1949.

HEROLD, PAUL G., Professor and Chairman, Ceramic Engineering, Missouri School of Mines, Rolla, Mo. 1948.

HERR, LESTER A., Instructor in Mechanics, The Ohio State University, Columbus, Ohio. 1948.

HERREMAN, HAROLD M., Associate Professor of Physics, Georgia Institute of Technology, Atlanta, Ga. 1940.

HERRICK, CARL A., Professor Emeritus of Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. *Life member.* 1922.

HERRICK, THOMAS J., Associate Professor of Aeronautical Engineering, Purdue University, Lafayette, Ind. 1936.

HERRINGTON, JACK D., Assistant Professor of Architecture, Tarleton State College, Tarleton Station, Texas. 1948.

HERRMANN, GEORGE, Instructor in Civil Engineering, Columbia University, New York, N. Y. 1950.

HERRMANN, RAYMOND R., Manager, Rate and Sales Research, Northern States Power Co., Minneapolis 2, Minn. 1947.

HERRON, LOWELL W., Dean of the Faculty, Clarkson College of Technology, Potsdam, N. Y. 1948.

HERSHBERGER, WILLIAM D., Professor of Engineering, University of California, Los Angeles, Calif. 1949.

HERSHKOWITZ, BERNARD H., Assistant Instructor in Mechanical Engineering, Newark College of Engineering, Newark, N. J. 1949.

HERSHKOWITZ, LEON, Assistant Professor of Civil Engineering, Missouri School of Mines, Rolla, Mo. 1949.

HERSHMAN, JOSEPH B., President, Valparaiso Technical Institute, Valparaiso, Ind. 1943.

HERTEL, KENNETH L., Professor and Head, Dept. of Physics, University of Tennessee, Knoxville, Tenn. 1941.

HERTZ, DAVID B., Assistant Professor of Industrial Engineering, Columbia University, New York, N. Y. 1949.

HESS, HOWARD M., Professor and Head, Dept. of Electrical Engineering, Wayne University, Detroit 1, Mich. 1942.

HESS, WENDELL F., Head, Department of Metallurgical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1936.

HESSE, HENRY R., Instructor in Electrical Engineering, Cornell University, Ithaca, N. Y. 1949.

HESSE, HERMAN C., Dean, College of Engineering, Valparaiso University, Valparaiso, Ind. 1929.

HESSELSCHWERDT, AUGUST L., JR., Assistant Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1946.

HESSEMER, PAUL, Assistant Professor of Civil Engineering, Johns Hopkins University, Baltimore 18, Md. 1945.

HESSLER, VICTOR P., Professor and Chairman, Dept. of Electrical Engineering, University of Illinois, Urbana, Ill. 1928.

HETÉNYI, MIKLÓS, Walter P. Murphy Professor of Theoretical and Applied Mechanics, Northwestern University, Evanston, Ill. 1946.

HETT, JOHN H., Director, Project Squid, New York University, New York, N. Y. 1939.

HETZEL, THEODORE B., Associate Professor of Mechanical Engineering, Haverford College, Haverford, Pa. 1936.

HEUER, WM. EMIL, Associate Professor of Mechanical Engineering, University of Toledo, Toledo, Ohio. 1946.

HEYDEN, OLIVER F., Assistant Professor of Engineering Drawing, University of Detroit, Detroit, Mich. 1948.

HIBBARD, WALTER R., Associate Professor of Metallurgy, Yale University, New Haven, Conn. 1946.

HIBSHMAN, NELSON S., Dean, School of Engineering, Pratt Institute, Brooklyn 5, N. Y. 1930.

HICKOX, GEORGE H., Associate Director, Engineering Experiment Station, University of Tennessee, Knoxville, Tenn. 1948.

HICKS, D. REGINALD, Chief, Employment and Training, Personnel Office, U. S. Bureau of Reclamation, Dept of the Interior, Washington 25, D. C. 1947.

HICKS, HAROLD, Manager, Pacific Coast Depository, McGraw-Hill Book Co., 204 Manor Drive, San Carlos, Calif. 1946.

HICKS, LEWIS F., Instructor in Mechanical Engineering, Ohio University, Athens, Ohio. 1950.

HICKS, STUART F., Associate Professor of Engineering Drawing, Wayne University, Detroit, Mich. 1945.

HICKS, WILLIAM N., Professor and Head, Dept. of Ethics and Religion, North Carolina State College, Raleigh, N. C. 1939.

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HIGDON, ARCHIE, Professor of Theoretical and Applied Mechanics, Iowa State College, Ames, Iowa. 1938.

HIGGINBOTHAM, DAVID E., Assistant Professor of Electrical Engineering, Tufts College, Medford 55, Mass. 1948.

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HIGGINS, GEORGE J., Professor of Aeronautics, U. S. Naval Postgraduate School, Annapolis, Md. 1935.

HIGGINS, THOMAS J., Professor of Electrical Engineering, University of Wisconsin, Madison, Wis. 1940.

HIGGS, ROLAND W., Instructor in Electrical Engineering, Howard University, Washington, D. C. 1949.

HIGHTOWER, RUSSELL L., Instructor in Engineering Drawing and Machine Design, University of Colorado, Boulder, Colo. 1947.

HILBERT, GUIDO E., Chief, Bureau of Agricultural and Industrial Chemistry, U. S. Dept. of Agriculture, Washington, D. C. 1949.

HILBRICH, ALVIN P., Instructor in Engineering, Texas College of A. & I., Kingsville, Texas. 1947.

HILDEBRANT, HELEN E., Assistant in Personnel Relations, Newark College of Engineering, Newark, N. J. 1947.

HILDING, WINTHROP E., Assistant Professor of Mechanical Engineering, University of Connecticut, Storrs, Conn. 1947.

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HILL, ARTHUR S., Professor Emeritus of Electrical Engineering, University of Maine, Orono, Maine. *Life Member.* 1919.

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HILL, G. T. R., "Enagh," Londonderry, N. Ireland. 1947.

HILL, IVAN L., Associate Professor of Technical Drawing, Illinois Institute of Technology, Chicago 16, Ill. 1942.

HILL, JOHN A., Director of Student Personnel and Admissions, New York University, New York, N. Y. 1947.

HILL, PERCY H., Instructor in Engineering Drawing, Tufts College, Medford, Mass. 1948.

HILL, RICHARD C., Associate Professor of Mechanical Engineering, University of Maine, Orono, Maine. 1948.

HILLIKER, LEON C., Instructor in Engineering Mechanics, University of Detroit, Detroit, Mich. 1948.

HILLIS, LEONARD F., Associate Professor of Civil and Structural Engineering, University Extension Division, University of Wisconsin, Madison 3, Wis. 1945.

HILLYARD, LAWRENCE R., Engineering Personnel Officer and Associate Professor of General Engineering, Iowa State College, Ames, Iowa. 1940.

HILSENRATH, JOSEPH, Scientific Educational Advisor, National Bureau of Standards, Washington, D. C. 1948.

HILTON, WALLACE A., Professor and Head, Dept. of Physics, William Jewell College, Liberty, Mo. 1948.

HIMELRIGHT, LORING K., Assistant Professor of Civil Engineering, The Citadel, Charleston, S. C. 1949.

HINCKLEY, ALFRED D., Executive Secretary, Illuminating Engineering Society, 51 Madison Ave., New York 10, N. Y. 1929.

HINDLE, MILTON, Associate Professor of Engineering, Lowell Textile Institute, Lowell, Mass. 1948.

HINDLE, NORMAN F., Professor and Head of Mechanical Engineering, University of Idaho, Moscow, Idaho. 1943.

HINGSBERG, THOMAS, Instructor in Engineering, New York University, New York, N. Y. 1949.

HINKLE, ROLLAND T., Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1942.

HINKLE, WALTER C., Acting Director, New York State Agricultural and Technical Institute, Alfred, N. Y. 1948.

HINMAN, JACK, JR., Col., Corps of Engineers, U.S.A., Retired, 121 Melrose Avenue, Iowa City, Iowa. 1936.

HINRICHS, RALPH H., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

HINTON, WILLIAM A., Associate Professor of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1935.

HIRSCH, FRED, Assistant Professor of Engineering Design, University of California, Berkeley, Calif. 1947.

HIRST, JOHN M., Assistant Professor of Electrical Engineering, Thayer School of Engineering, Dartmouth College, Hanover, N. H. 1944.

HITCHCOCK, LEON W., Professor and Head, Dept. of Electrical Engineering, University of New Hampshire, Durham, N. H. 1922.

HIXON, CHARLES R., Professor and Head, Dept. of Mechanical Engineering, Alabama Polytechnic Institute, Auburn, Ala. 1910.

HIXSON, ARTHUR W., Head, Dept. of Chemical Engineering, Columbia University, New York, N. Y. 1937.

HNATH, NICHOLAS, Instructor in Engineering Drawing, Purdue University, Hammond, Ind. 1949.

HOADLEY, ANTHONY, Professor of Civil Engineering, Union College, Schenectady, N. Y. 1928.

HOADLEY, GEORGE B., Professor of Electrical Engineering, North Carolina State College, Raleigh, N. C. (*Member of Council, 1949–51.*) 1935.

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HOAG, JOHN A., Assistant Professor of Civil Engineering, Vanderbilt University, Nashville, Tenn. 1949.

HOBBS, RANALD P., Vice President, Rinehart & Co., Inc., New York 16, N. Y. 1944.

HOBGOOD, PRICE, Professor of Agricultural Engineering, A. & M. College of Texas, College Station, Texas. 1948.

HOBSON, JESSE E., Director, Stanford Research Institute, Stanford University, Stanford, Calif. 1942.

HOBSON, JOSEPH R. A., JR., Lecturer in Industrial Engineering, Columbia University, New York, N. Y. 1950.

HOBSON, LELAND S., Assistant Director and Professor of Industrial Engineering, Kansas State College, Manhattan, Kans. 1948.

HOCKEMA, FRANK C., Vice President, Purdue University, Lafayette, Ind. 1921.

HOCKEY, ARTHUR A., Instructor in Mechanical Engineering, Tri-State College, Angola, Ind. 1948.

HODGE, CHARLES A., Head Instructor in Electrical Engineering, Yonkers Technical High School, Yonkers, N. Y. 1932.

HODGE, RAYMOND J., Assistant Professor of Civil Engineering, Cornell University, Ithaca, N. Y. 1949.

HODGE, WILLARD W., Senior Fellow, Mellon Institute of Industrial Research, Pittsburgh 13, Pa. 1930.

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HODGINS, LAWRENCE J., Associate Professor of Electrical Engineering, University of Maryland, College Park, Md. 1939.

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HOEFER, E. G., Professor of Mechanical Engineering, North Carolina State College, Raleigh, N. C. 1910.

HOEHNE, WALTER H., Vice President, Utilities Engineering Institute, 2525 No. Sheffield Ave., Chicago 14, Ill. 1948.

HOELSCHER, HAROLD E., Assistant Professor of Chemical Engineering, University of Cincinnati, Cincinnati, Ohio. 1950.

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HOFF, NICHOLAS J., Professor and Head of Aeronautical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1943.

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HOFFMAN, LESLIE A., Dean and Head of Mechanical Engineering Dept., Bridgeport Engineering Institute, Bridgeport, Conn. 1949.

HOFFMAN, LYNE S. S., Associate Professor of English, Pennsylvania State College, State College, Pa. 1949.

HOFFMAN, PAUL O., Professor and Acting Chairman, Dept. of Physics, Newark College of Engineering, Newark, N. J. 1943.

HOFMANN, WILLIAM P., Senior Soils Engineer, Bureau of Soil Mechanics, New York State Dept. of Public Works, Albany, N. Y. 1946.

HOGAN, JOSEPH C., Assistant Professor of Electrical Engineering, University of Missouri, Columbia, Mo. 1947.

HOGAN, RALPH M., Head, Manpower Branch, Human Resources Division, Office of Naval Research, Dept. of the Navy, Washington, D. C. 1950.

HOLBROOK, ELMER A., Dean, Schools of Engineering and Mines, University of Pittsburgh, Pittsburgh, Pa. (*Member of Council, 1936–39.*) 1927.

HOLBROOK, GORDON G., Special Lecturer, Personnel Relations, Newark College of Engineering, Newark, N. J. 1949.

HOLCOMB, CALVIN W., Assistant Professor of Mechanical Engineering, University of Missouri, Columbia, Mo. 1947.

HOLCOMB, DYSART E., Dean of Engineering, Texas Technological College, Lubbock, Texas. 1947.

HOLCOMB, GLENN W., Professor of Structural Engineering, Oregon State College, Corvallis, Ore. 1945.

HOLCOMB, ROBERT M., Professor of Structural Engineering, A. & M. College of Texas, College Station, Texas. 1938.

HOLDEN, FRANK C., Instructor in Mechanical Engineering, University of Maine, Orono, Me. 1949.

HOLDER, WILLIS G., Instructor in Industrial Engineering, Ohio State University, Columbus 10, Ohio. 1949.

HOLDERMAN, KENNETH L., Director, Department of Engineering Extension, The Pennsylvania State College, State College, Pa. (*Member of Council, 1949–51.*) 1945.

HOLDREDGE, ERNEST C., Assistant Professor of Mechanical Engineering, Texas A. & M. College, College Station, Texas. 1943.

HOLIAN, AUSTIN J., Associate Professor of Electrical Engineering, University of Dayton, Dayton 9, Ohio. 1945.

HOLLADAY, DEE M., Instructor in General Engineering Drawing, University of Illinois, Navy Pier, Chicago, Ill. 1947.

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HOLLAND, UBERT C., Assistant Dean, College of Engineering, Rutgers University, New Brunswick, N. J. 1930.

HOLLAND, WAYMAN A., Lecturer in Electrical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1950.

HOLLANDER, ALADAR, Associate Professor of Mechanical Engineering, California Institute of Technology, Pasadena, Calif. 1950.

HOLLEY, MYLE JOSEPH, JR., Associate Professor of Structural Engineering, Massachusetts Institute of Technology, Cambridge 38, MASS.

HOLLIS, WILLIAM J., Instructor in Civil Engineering, Rose Polytechnic Institute, Terre Haute, Ind. 1950.

HOLLISTER, S. C., Dean, College of Engineering, Cornell University, Ithaca, N. Y. (*Member of Council, 1937–40.*) 1916.

HOLLISTER, VERNON L., Professor of Electrical Engineering, University of Nebraska, Lincoln, Nebr. 1940.

HOLLYDAY, JOHN M., The Glenn L. Martin Co., Baltimore 3, Md. 1949.

HOLMAN, LEON W., Instructor & Head of Architectural Department, East Los Angeles Junior College, Los Angeles, Calif. 1936.

HOLMBERG, CARL H., Assistant Professor of Civil Engineering, Tufts College, Medford, Mass. 1924.

HOLME, JUSTUS M., Associate Professor of Mathematics, U. S. Naval Academy, Annapolis, Md. 1938.

HOLME, THOMAS T., Department of Industrial Administration, Yale University, New Haven, Conn. 1940.

HOLMES, ALESTER G., Professor of Mechanical Engineering, Mississippi State College, State College, Miss. 1943.

HOLMES, CLAYTON W., Chairman, Engineering Dept., Haverford College, Haverford, Pa. 1933.

HOLMES, FRED E., Assistant Professor of Mechanics and Hydraulics, The State University of Iowa, Iowa City, Iowa. 1919.

HOLMES, ROLAND W., 22 Brunswick Rd., Cedar Grove, N. J. 1947.

HOLMES, WILFRED J., Professor of Engineering and Mathematics, University of Hawaii, Honolulu, T. H. 1937.

HOLOWENKO, A. R., Associate Professor of Mechanical Engineering, Purdue University, Lafayette, Ind. 1943.

HOLT, ANDREW H., Head, Dept. of Civil Engineering, Worcester Polytechnic Institute, Worcester 2, Mass. 1923.

HOLT, CLIFFORD B., JR., Associate Professor of Electrical Engineering, Pennsylvania State College, State College, Pa. 1933.

HOLT, JAMES, Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1946.

HOLTBY, FULTON, Assistant Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1941.

HOLUB, PETER F., Instructor in English, Michigan College of M. & T., Houghton, Mich. 1950.

HONNELL, MARTIAL A., Professor of Electrical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1943.

HONNELL, PIERRE M., Professor of Electrical Engineering, Washington University, St. Louis, Mo. 1943.

HONSTEAD, WILLIAM H., Associate Professor of Chemical Engineering, Iowa State College, Ames, Iowa. 1948.

HONOUR, WILFRED M., Professor of Architecture, Alabama Polytechnic Institute, Auburn, Ala. 1941.

HOOD, GEO. J., Professor of Engineering Drawing, Retired, University of Kansas, Lawrence, Kans. 1914.

HOOPER, LESLIE J., Professor of Hydraulic Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1948.

HOOPER, WM. T., Partner, Staben & Hooper & Assoc., 222 Market St., Waukegan, Ill. 1940.

HOOVER, MERLE L., Instructor in Mechanics, West Virginia University, Morgantown, W. Va. 1950.

HOPE, EDWARD S., Professor of Civil Engineering, Howard University, Washington, D. C. 1948.

HOPE, PABLO H., Dean de la Escuela de Ingenieria, Instituto de Tecnologico de Monterrey, Monterrey, N. L., Mexico. 1950.

HOPKIN, ARTHUR M., Instructor in Electrical Engineering, Northwestern University, Evanston, Ill. 1948.

HOPPER, JOHN S., Dean, Arlington State College, Arlington, Texas. 1937.

HORAN, FRANK W., Professor of Civil Engineering, University of Notre Dame, Notre Dame, Ind. 1938.

HORBLIT, WILLIAM, Assistant, Petroleum Engineering Dept., Colorado School of Mines, Golden, Colo. 1950.

HORGAN, JAMES D., Instructor in Electrical Engineering, Marquette University, Milwaukee, Wis. 1950.

HORI, SHIZUO, Instructor in Electrical Engineering, University of Wisconsin, Madison, Wis. 1950.

HORINE, JOHN S., Professor of Engineering Drawing, University of Kentucky, Lexington, Ky. 1948.

HORN, HARRY W., Associate Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1938.

HORNER, H. MANSFIELD, President, United Aircraft Corp., East Hartford, Conn. 1949.

HORNICKEL, LUTE C., Supervisor, Personnel, American Steel & Wire Co., Cleveland, Ohio. 1949.

HORONJEFF, ROBERT, Lecturer and Research Engineer, University of California, Berkeley, Calif. 1950.

HORSCH, ALFRED C., Vice President, Pitman Pubishing Corp., 2 West 45th St., New York 19, N. Y. 1945.

HORSCH, M. JAMES, President, West Virginia Institute of Technology, Montgomery, W. Va. 1948.

HORSLEY, WENDELL R., Director of Placement and Personnel Relations, Texas A. & M. College, College Station, Texas. 1948.

HORTON, EARLE M., Instructor in Industrial Engineering, New York State Agricultural and Technical Institute, Canton, N.Y. 1948.

HORWOOD, EDGAR M., Instructor in Civil Engineering, University of Washington, Seattle, Wash. 1946.

HOSHALL, HARRY B., Associate Professor of Mechanical Engineering, University of Maryland, College Park, Md. 1930.

HOSSJER, K. GUSTAV N., Rektor, Professor, Chalmers University of Technology, Gotenborg, Sweden. 1947.

HOSTETTER, JACOB W., Assistant Professor of Electrical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1946.

HOTCHKISS, CHARLES H. B., Editor, *Heating and Ventilating*, 148 Lafayette St., New York City. 1925.

HOTCHKISS, FRED W., Secretary and Treasurer, Electric Machinery Mfg. Co., Minneapolis, Minn. 1948.

HOTCHKISS, W. O., President Emeritus, Rensselaer Polytechnic Institute; Buckingham Apts., 1-D, Scarsdale, N. Y. 1926.

HOTTLE, WARREN M., Adjunct Professor of Electrical Engineering, New York University, New York, N. Y. 1938.

HOUCHENS, JOHN M., Registrar, University of Louisville, Louisville, Ky. 1930.

HOUGEN, JOEL O., Associate Professor of Chemical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

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HOUGHTON, ARTHUR V., Assistant Professor of Mechanical Engineering, Bradley University, Peoria, Ill. 1948.

HOUGHTON, RICHARD W., Instructor in Electronics, Wentworth Institute, Boston, Mass. 1947.

HOUGHTON, WILLARD F., Director, Administrative Division, The Atlantic Refining Company, Philadelphia, Pa. 1948.

HOUSE, HARRY E., 415 West Second Ave., Cheyenne, Wyo. 1947.

HOUSEL, WILLIAM S., Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. 1938.

HOUSLEY, JOHN E., District Power Manager, Aluminum Company of America, Alcoa, Tenn. 1949.

HOUSTON, CARL P., Assistant Dean of College of Engineering, University of Houston, Houston, Texas. 1949.

HOUSTON, LIVINGSTON W., President, Rensselaer Polytechnic Institute, Troy, N. Y. 1946.

HOUSTON, WILLIAM V., President, Rice Institute, Houston, Texas. 1949.

HOUSTON, RAYMOND K., Associate Professor of Electrical Engineering, Naval School, Newport, R. I. 1943.

HOVDE, FREDERICK L., President, Purdue University, Lafayette, Ind. 1949.

HOVEY, B. K., Associate Professor of Electrical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1939.

HOWARD, DARNLEY E., Professor and Head, Dept. of Mechanical Engineering, Howard University, Washington, D. C. 1928.

HOWARD, DAVID G., Professor of Electrical Engineering, U. S. Naval Academy, Annapolis, Md. 1947.

HOWARD, JOHN H., Director, Business and Technical Personnel, Eastman Kodak Co., Rochester 4, N. Y. 1947.

HOWARD, KENNETH J., College Employment Supervisor, Illinois Bell Tel. Co., 212 W. Washington St., Chicago 6, Ill. 1946.

HOWARD, RUSSELL L., Valuation Engineer, Economics Dept., Phillips Petroleum Co., Bartlesville, Okla. 1946.

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HOWE, JOSEPH W., Professor and Head, Dept. of Mechanics and Hydraulics, State University of Iowa, Iowa City, Iowa. 1934.

HOWE, ROBERT T., Instructor in Civil Engineering, University of Cincinnati, Cincinnati, Ohio. 1947.

HOWE, W. WARREN, Professor of Chemistry, Colorado School of Mines, Golden, Colo. 1947.

HOWELL, ALMONTE C., Professor of English and Secretary of the Faculty, University of North Carolina, Chapel Hill, N. C. *Life member.* 1922.

HOWELL, ALVIN H., Chairman, Dept. of Electrical Engineering, Tufts College, Medford, Mass. 1941.

HOWELL, E. J., President, Tarleton State College, Stephenville, Texas. 1937.

HOWELL, ERIC V., Associate Professor of Mechanics, Cornell University, Ithaca, N. Y. 1927.

HOWELL, GLEN H., Associate Professor of Mechanical Engineering, Wayne University, Detroit, Mich. 1949.

HOWELL, ROGER S., Professor of Mechanical Engineering, Director of Engineering Extension Division, Georgia Institute of Technology, Atlanta, Ga. 1919.

HOWES, DOUGLAS E., Professor of Electrical Engineering, Worcester Polytechnic Institute, Worcester 2, Mass. 1935.

HOWES, VICTOR E., Instructor in Engineering Drawing, Massachusetts Institute of Technology, Cambridge, Mass. 1944.

HOWEY, JOSEPH H., Professor and Head, Dept. of Physics, Georgia Institute of Technology, Atlanta, Ga. 1943.

HOWLAND, WARREN E., Professor of Sanitary Engineering, Purdue University, Lafayette, Ind. 1926.

HOY, HOWARD H., Professor Emeritus, South Dakota State College, Brookings, S. D. 1943.

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HOYT, CRAIG S., Head, Chemistry, Grove City College, Grove City, Pa. 1942.

HOYT, MARY E., Librarian, Colorado School of Mines, Golden, Colo. 1948.

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HUBBARD, NOEL, Registrar, Missouri School of Mines, Rolla, Mo. 1945.

HUBBARD, ROBERT M., Professor of Chemical Engineering, University of Virginia, University, Va. 1946.

HUBBARD, THOMAS F., Professor of Civil Engineering, Johns Hopkins University, Baltimore, Md. 1947.

HUBBELL, WILLARD, Chairman and Associate Professor, Engineering Drawing Dept., University of Miami, Coral Gables, Fla. 1947.

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HUBLER, JOHN W., Head, Department of Civil Engineering, Washington University, St. Louis 5, Mo. 1939.

HUCKABA, CHARLES E., Instructor in Chemical Engineering, University of Cincinnati, Cincinnati, Ohio. 1948.

HUCKERT, JESSE, Professor of Machine Design, The Ohio State University, Columbus 10, Ohio. 1938.

HUDSON, CHARLES A., Assistant Professor of Electro-Mechanics, Bradley University, Peoria, Ill. 1943.

HUDSON, DONALD E., Associate Professor of Mechanical Engineering, California Institute of Technology, Pasadena, Calif. 1946.

HUDSON, PAUL K., Assistant Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1942.

HUDSON, WELLBORN R., Assistant to Dean of Engineering, University of Texas, Austin, Texas. 1948.

HUGHES, ARTHUR D., Professor of Mechanical Engineering, Oregon State College, Corvallis, Ore. 1948.

HUGHES, CHARLES S., Assistant Professor of Aeronautical Engineering, University of Tulsa, Tulsa, Okla. 1948.

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HUGHES, FORREST R., Assistant Dean, School of Engineering, Yale University, New Haven, Conn. 1935.

HUGHES, GEORGE G., Dean, College of Engineering, Southwestern Louisiana Institute, Lafayette, La. 1924.

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HULL, WILLIAM L., Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1940.

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HUMPHREY, JAMES E., Assistant Professor of English and Speech, Iowa State College, Ames, Iowa. 1948.

HUMPHRIES, JOHN C., Head, Dept. of Mechanical Engineering, Tri-State College, Angola, Ind. 1948.

HUMPHRIES, POWELL H., Instructor in Electrical Engineering, Franklin Technical Institute, Boston, Mass. 1945.

HUNDLEY, ROBERT E., Professor of Mechanics, University of Cincinnati, Cincinnati, Ohio. 1943.

HUNSAKER, JEROME C., Professor of Aeronautical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1946.

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HUNT, GUY H., Assistant Professor of Applied Mathematics, Emeritus, University of California at Los Angeles, Calif. *Life member.* 1923.

HUNT, LOUIS W., Associate Professor of Chemistry, American University, Washington, D. C. 1930.

HUNT, ORVILLE D., Professor of Electrical Engineering, Kansas State College, Manhattan, Kans. 1927.

HUNTER, MATTHEW A., Dean Emeritus of Faculty, Rensselaer Polytechnic Institute, Troy, N. Y. 1938.

HUNTER, THOMAS A., Instructor in Engineering, Mechanics, University of Michigan, Ann Arbor, Mich. 1950.

HUNTINGTON, RICHARD L., Director, School of Chemical Engineering, University of Oklahoma, Norman, Okla. 1946.

HUNTINGTON, W. C., Professor and Head, Dept. of Civil Engineering, University of Illinois, Urbana, Ill. (*Member of Council, 1929–32.*) 1914.

HUNTZICKER, HARRY N., Director of Research and Dev., United States Gypsum Co., Chicago, Ill. 1949.

HURLBUT, LLOYD W., Professor of Agricultural Engineering, University of Nebraska, Lincoln, Nebr. 1949.

HURLEY, RICHARD B., Lecturer in Electrical Engineering, University of Southern California, Los Angeles, Calif. 1949.

HURSH, RALPH K., Professor of Ceramic Engineering, University of Illinois, Urbana, Ill. 1943.

HURST, JOHN W., Professor and Head, Dept. of Mathematics, Montana State College, Bozeman, Mont. 1946.

HUSS, PAUL O., Associate Professor of Electrical Engineering, University of Akron, Akron, Ohio. 1949.

HUSSEY, ROBERT A., Professor of Industrial Engineering, The Pennsylvania State College, State College, Pa. 1937.

HUSTRULID, ANDREW, Professor of Agricultural Engineering, University Farm, University of Minnesota, St. Paul 1, Minn. 1947.

HUTCHINS, JACQUE L., College Service, Educational Department, Westinghouse Educational Center, East Pittsburgh, Pa. 1950.

HUTCHINS, ROLAND E., Professor of Sanitary Engineering, Rose Polytechnic Institute, Terre Haute, Ind. 1936.

HUTCHINSON, CHARLES A., Professor and Head, Dept. of Applied Mathematics, College of Engineering, University of Colorado, Boulder, Colo. 1923.

HUTCHISON, ALBERT W., JR., Hutchison & Jessup, Engineers, Cotton States Bldg., Nashville 3, Tenn. 1934.

HUTCHISSON, ELMER, Dean and Acting President, Case Institute of Technology, Cleveland 6, Ohio. 1944.

HUTTO, GUS J., Assistant Professor of Civil Engineering, The Citadel, Charleston, S. C. 1948.

HUYDTS, L. H. M., Professor, Technische Hogeschool, Kanalwee 26, Delft, Holland. 1947.

HUZARSKI, RICHARD G., Assistant Professor of Architectural Engineering, University of New Mexico, Albuquerque, N. M. 1948.

HYDE, WILLIAM H., Librarian and Professor of Library Science, Illinois Institute of Technology, Chicago 16, Ill. 1942.

HYLAND, PATRICK H., Professor of Mechanical Engineering, University of Wisconsin, Madison, Wis. 1943.

IBELE, WARREN E., Instructor in Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

IMHOFF, JOHN L., Assistant Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

IMM, RUBEN A., Assistant Professor of Electrical Engineering, University of Wisconsin, Madison, Wis. 1950.

INGALLS, EGBERT C., Associate Professor of Civil Engineering, Columbia University, New York, N. Y. 1948.

INGRAM, WILLIAM T., Associate Professor of Public Health Engineering, New York University, New York, N. Y. 1948.

INIGO, MARIA A. LOPEZ, Instructor in Chemistry, University of Puerto Rico, Mayaguez, P. R. 1948.

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IPPEN, ARTHUR T., Professor of Civil Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1943.

IRESON, WILLIAM G., Professor of Industrial Engineering, Illinois Institute of Technology, Chicago, Ill. 1941.

IRISH, SUMNER B., Assistant Professor of Civil Engineering, Princeton University, Princeton, N. J. 1947.

IRLAND, GEORGE A., Professor and Chairman of Electrical Engineering, Bucknell University, Lewisburg, Pa. 1927.

IRWIN, D. E., Personnel Supervisor, Knolls Atomic Laboratory, General Electric Co., Schenectady, N. Y. 1947.

IRWIN, ROBERT R., Assistant Professor of Mechanical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1945.

IRWIN, VERYL W., Assistant Chairman, Mechanical Engineering, General Motors Institute, Flint, Mich. 1950.

D'ISA, FRANK A., Assistant Professor of Mechanical Engineering, Youngstown College, Youngstown, Ohio. 1949.

ISENBERG, MELVIN W., Assistant Professor of Architecture, Pennsylvania State College, State College, Pa. 1949.

IVERSEN, HAROLD W., Assistant Professor of Mechanical Engineering, University of California, Berkeley, Calif. 1943.

JABLONSKI, GEORGE G., Instructor in Mechanical Engineering, Marquette University, Milwaukee, Wis. 1950.

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JACKSON, DUGALD C., JR., Chief of Scientific Training, Ballistic Research Labs., Aberdeen Proving Ground, Aberdeen, Md. 1922.

JACKSON, JOHN W., Professor of Mechanical Engineering, University of Maryland, College Park, Md. 1943.

JACKSON, KENNETH B., Professor of Applied Physics, University of Toronto, Toronto, Canada. 1943.

JACKSON, LYMAN E., Dean, School of Agriculture, Pennsylvania State College, State College, Pa. 1950.

JACKSON, MELBOURNE L., Chemical Engineer, Solid Propellants, Naval Ordnance Test Station, China Lake, Calif. 1945.

JACKSON, MELVIN W., Assistant Professor of Civil Engineering, University of Colorado, Boulder, Colo. 1949.

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JACOBS, ROY KENNETH, R. F. D. No. 1, Continental, Ohio. 1943.

JACOBS, SIDNEY N., President, Electronic Radio-Television Institute, Inc., 2055 Harney St., Omaha, Nebr. 1944.

JACOBSEN, LYDIK S., Professor and Head, Dept. of Mechanical Engineering, Stanford University, Stanford, Calif. 1946.

JACOBSON, GEORGE L., Assistant Professor of Sanitary Engineering, South Dakota School of M. & T., Rapid City, S. D. 1946.

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JAFFE, WILLIAM J., Associate Professor of Industrial Engineering, Newark College of Engineering, Newark, N. J. 1947.

JAHREN, CHARLES E., Instructor in Science, Austin Junior College, Austin, Minn. 1950.

JAKKULA, A. A., Executive Director, Texas A. & M. Research Foundation, College Station, Texas. 1938.

JAKOB, MAX, Research Professor of Mechanical Engineering, Illinois Institute of Technology, Chicago, Ill. 1941.

JAKOWATZ, CHARLES V., Instructor in Electrical Engineering, University of Illinois, Urbana, Ill. 1948.

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JAMES, ROY A., Associate Professor of Economics, Georgia Institute of Technology, Atlanta, Ga. 1948.

JAMEYSON, BRUCE, Professor of Civil Engineering, University of California, Berkeley, Calif. 1943.

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JAMISON, JOHN S., Jr., Professor of Electrical Engineering, Virginia Military Institute, Lexington, Va. 1946.

JAMISON, ROBERT M., Associate Professor of Mechanical Engineering, Wayne University, Detroit, Mich. 1945.

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JANES, ROBERT L., Acting Director, Dept. of Mechanics Instruction, Illinois Institute of Technology, Chicago, Ill. 1948.

JANISZ, TADEUSZ, Instructor in Electrical Engineering, University of Detroit, Detroit, Mich. 1949.

JANKE, ROBERT A., Instructor in Physics, Michigan College of M. & T., Houghton, Mich. 1946.

JANSEN, DONALD E., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

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JEFFRIES, ROBERT J., Associate Professor of Electrical Engineering, Michigan State College, East Lansing, Mich. 1947.

JEMISON, WILLIAM F., Instructor in Engineering Drawing and Machine Design, University of Colorado, Boulder, Colo. 1948.

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JENKINS, CARLTON C., Instructor in Social Studies, North Carolina State College, Raleigh, N. C. 1947.

JENKINS, DONALD R., Instructor in Mechanical Engineering, Lafayette College, Easton, Pa. 1950.

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JENNINGS, ROY T., Associate Professor of Engineering Mechanics, University of Florida, Gainesville, Fla. 1949.

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JETT, DANIEL B., Professor of Civil Engineering, New Mexico College of A. & M. Arts, State College, N. M. 1944.

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JOHNSON, JAMES H., JR., Instructor in Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1947.

JOHNSON, J. HUGO, Professor and Head, Department of Electrical Engineering, University of Idaho, Moscow, Idaho. 1926.

JOHNSON, J. MALCOLM, Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

JOHNSON, J. STUART, Assistant Dean, Professor of Electrical Engineering, University of Florida, Gainesville, Fla. 1947.

JOHNSON, JEROME H., Assistant Professor of Electrical Engineering, Washington State College, Pullman, Wash. 1946.

JOHNSON, JUSTIN O. 1947.

JOHNSON, KATHRINE E., Engineering Librarian, 100 Duane, Apt. No. 6, Redwood City, Calif. 1948.

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JOHNSON, LEE H., Dean, College of Engineering, Tulane University, New Orleans 18, La. 1937.

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JOHNSON, MALCOLM, Executive Vice President, D. Van Nostrand Co., 250 Fourth Ave., New York City. 1945.

JOHNSON, MAURICE F., Associate Professor of Mathematics, Whitman College, Walla Walla, Wash. 1936.

JOHNSON, MILTON R., Assistant Professor of Electrical Engineering, Louisiana Polytechnic Institute, Ruston, La. 1948.

JOHNSON, PETER D., Assistant Professor of Ceramic Engineering, University of Washington, Seattle, Wash. 1949.

JOHNSON, RICHARD P., Associate Professor of Mathematics, Carnegie Institute of Technology, Pittsburgh, Pa. 1949.

JOHNSON, ROBERT R., Instructor in Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1946.

JOHNSON, ROYCE E., Manager, General Engineering Laboratory, Barber-Colman Co., Rockford, Ill. 1943.

JOHNSON, STANLEY S., Instructor in Civil Engineering, University of North Dakota, Grand Forks, N. D. 1947.

JOHNSON, WALTER A., Director, Machine Design Dept., Onondoga Pottery Co., 211 Juneway Rd., Syracuse 7, N. Y. 1941.

JOHNSON, WALTER C., Chairman, Department of Electrical Engineering, Princeton University, Princeton, N. J. 1943.

JOHNSON, WALTER L., Teacher of Engineering and Technology, Pasadena City College, Pasadena, Calif. 1946.

JOHNSON, WILFRID E., Division Manager, Nucleonics Dept., General Electric Co., P. O. Box 100, Bldg. 760, Richland, Wash. 1946.

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JOHNSTON, ERNEST R., Assistant Professor of Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1948.

JOHNSTON, PAUL K., Head, Dept. of Physics, Ohio Mechanics Institute, Cincinnati, Ohio. 1948.

JOHNSTON, ROBERT C., Instructor in Chemical Engineering, Ohio State University, Columbus, Ohio. 1949.

JOHNSTONE, B. KENNETH, Director, College of Fine Arts, Carnegie Institute of Technology, Pittsburgh, Pa. 1938.

JOHNSTONE, HENRY F., Professor of Chemical Engineering, University of Illinois, Urbana, Ill. 1946.

JOICE, CHARLES B. 1943.

JONES, ARNOLD P., Professor of Mathematics, Milwaukee School of Engineering, Milwaukee, Wis. 1949.

JONES, BERNARD A., Head, Technical Data Section, Research Laboratories, Ethyl Corp., Detroit, Mich. 1949.

JONES, BRADLEY, Professor of Aeronautical Engineering, University of Cincinnati, Cincinnati, Ohio. 1943.

JONES, CHARLES B., Assistant Professor of Shop Practice, Pratt Institute, Brooklyn, N. Y. 1928.

JONES, CHARLES S., President, Academy of Aeronautics, LaGuardia Airport Station, New York, N. Y. 1949.

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JONES, EDWARD N., Vice President, Texas Technological College, Lubbock, Texas. 1942.

JONES, EDWIN C., Professor and Head, Dept. of Electrical Engineering, West Virginia University, Morgantown, W. Va. 1942.

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JONES, HARRIS, Brig. Gen., Dean, U. S. Military Academy, West Point, N. Y. 1950.

JONES, HOWARD W. 1947.

JONES, JAMES B., Professor and Head, Dept. of Mechanical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1927.

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JONES, MACK M., Professor and Head, Dept. of Agricultural Engineering, University of Missouri, Columbia, Mo. 1949.

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JONES, PAUL R., Assistant Professor of Ceramic Engineering, West Virginia University, Morgantown, W. Va. 1948.

JONES, RALPH W., Associate Professor of Mechanics, University of Delaware, Newark, Del. 1943.

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JONES, ROBERT S., Associate Professor of Mechanical Engineering, Wayne University, Detroit, Mich. 1950.

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JONES, W. PAUL, Professor of English and Speech, Iowa State College, Ames, Iowa. 1943.

JONES, WALTER R., Associate Professor of Electrical Engineering, Cornell University, Ithaca, N. Y. 1950.

JONES, WEBSTER N., Director, College of Engineering and Science, Carnegie Institute of Technology, Pittsburgh, Pa. 1933.

JONES, WILLIAM H. 1935.

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Kahles, John F., Associate Professor of Chemical and Metallurgical Engineering, University of Cincinnati, Cincinnati, Ohio. 1947.

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Kallsen, Henry A., Instructor in Civil Engineering, University of Wisconsin, Madison, Wis. 1950.

Kamm, Albert J., Assistant Professor of Drawing, Mechanics, and Design, University of Buffalo, Buffalo, N. Y. 1947.

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Karrer, Emmett H., Professor of Civil Engineering, Ohio State University, Columbus, Ohio. 1947.

Karsten, Andrew, Professor and Head, Dept. of Chemical Engineering, South Dakota School of Mines, Rapid City, S. D. 1948.

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Katz, Israel, Associate Professor of Heat Power, Cornell University, Ithaca, N. Y. 1946.

Kaufman, Murray, Assistant, Engineering Dept., University of California, Los Angeles, Calif. 1950.

Kauppinen, Tenho S., Assistant Professor of Mechanical Engineering, University of New Hampshire, Durham, N. H. 1940.

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Kavanaugh, Dennis, Professor of Mechanical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1925.

Kavanaugh, Edward S., Assistant Professor of Aeronautical Engineering, University of Notre Dame, Notre Dame, Ind. 1949.

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Kaye, Joseph, Assistant Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1943.

Keables, Nelson C., Assistant Professor of English, Newark College of Engineering, Newark, N. J. 1949.

Keachie, Edward C., Associate Professor of Mechanical Engineering, University of California, Berkeley, Calif. 1950.

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Keating, Arthur E., President, The Bridgeport Engineering Institute, Bridgeport, Conn. 1948.

Keator, Frederic W., Associate Professor of Mechanical Engineering, Yale University, New Haven, Conn. 1929.

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Keeler, Robert J., Assistant Professor of Electrical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1950.

Keely, Mike H., Assistant Professor of Mechanical Engineering, University of New Mexico, Albuquerque, N. M. 1948.

Keenan, Joseph H., Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass. 1938.

Keene, Archie T., President, Indiana Technical College, Ft. Wayne, Ind. 1943.

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Kelly, Joe W., Professor of Civil Engineering, University of California, Berkeley 4, Calif. 1940.

Kelly, Sidney J. 1945.

Kelly, Thomas A., Professor of Civil Engineering, Colorado School of Mines, Golden, Colo. 1947.

Kelsey, James R., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

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Kennedy, Robert E., Instructor in Mechanical Engineering, Navy Pier Branch, University of Illinois, Chicago, Ill. 1941.

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Kent, Clarence H., Professor of Mechanical Engineering, College of the City of New York, New York 31, N. Y. 1939.

KENT, JACK T., Assistant Professor of Mathematics, Texas A. & M. College, College Station, Texas. 1948.

KENYON, CHARLES D., Professor of Physics, Tri-State College, Angola, Ind. 1950.

KENYON, VAN L., JR., Assistant Professor of Mechanical Engineering, Duke University, Durham, N. C. 1943.

KEPLER, HAROLD B., Instructor in Engineering Drawing, USAF Institute of Technology, Dayton, Ohio. 1948.

KEPNER, HAROLD R., Professor of Civil Engineering, Utah State Agricultural College, Logan, Utah. 1930.

KERCHNER, RUSSELL M., Professor of Electrical Engineering, Kansas State College, Manhattan, Kans. 1923.

KEREKES, FRANK, Assistant Dean, Professor of Structural Engineering, Iowa State College, Ames, Iowa. 1927.

KERLEY, JAMES J., Assistant Professor of Civil Engineering, George Washington University, Washington, D. C. 1948.

KERR, ALFRED A., Associate Professor of Engineering, Lafayette College, Easton, Pa. 1949.

KERR, ALBERT S., Instructor in English, Rutgers University, New Brunswick, N. J. 1948.

KERR, JAMES, Instructor in Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1948.

KERR, RICHARD H., Instructor in Mathematics, Missouri School of Mines, Rolla, Mo. 1946.

KERTIS, ALEX J., Personnel Director, Mallory and Co., Inc., Indianapolis, Ind. 1949.

KERSTEN, MILES S., Associate Professor of Civil Engineering, University of Minnesota, Minneapolis, Minn. 1947.

KESSLER, CHARLES J., Works Manager, Angle Products Co., Cleveland, Ohio. 1947.

KESSLER, LEWIS H., Professor of Sanitary Engineering, Northwestern University, Evanston, Ill. 1946.

KESSLER, RAYMOND A., JR., Instructor in Civil Engineering, The Citadel, Charleston, S. C. 1948.

KETCHAM, BRUCE V., Assistant Professor of Aeronautical Engineering, University of Oklahoma, Norman, Okla. 1947.

KETCHUM, MILO S., JR., Consulting Engineer, 1424 So. Garfield St., Denver, Colo. 1938.

KEUFFEL, AUGUST, Instructor in Mechanical Engineering, Pratt Institute, Brooklyn, N. Y. 1950.

KEY, JOHN C., Assistant Professor of Civil Engineering, The Citadel, Charleston, S. C. 1943.

KEYSER, CARL A., Associate Professor of Mechanical Engineering, University of Massachusetts, Amherst, Mass. 1950.

KEZIOS, STOTHE P., Associate Professor of Mechanical Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.

KICHLINE, WILLIAM L., Associate Professor of Mathematics, University of New Hampshire, Durham, N. H. 1949.

KIEFER, PAUL J., Senior Professor and Chairman Department of Mechanical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1917.

KIEHL, ROBERT E., Assistant Professor of Management and Personnel, Newark College of Engineering, Newark, N. J. 1947.

KIELY, RALPH, Instructor in Engineering, New York State Institute of Applied Arts and Sciences, White Plains, N. Y. 1949.

KIELY, THOMAS M., Instructor in Shop and Manufacturing Processes, Pratt Institute, Brooklyn, N. Y. 1947.

KIERNAN, CHARLES J., Assistant Professor of Civil Engineering, Newark College of Engineering, Newark, N. J. 1931.

KIKER, JOHN E., JR., Professor of Civil Engineering, University of Florida, Gainesville, Fla. 1949.

KILCAWLEY, EDWARD J., Professor of Soil Mechanics and Sanitary Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1940.

KILEY, MARK M., Structural Engineer, Jackson & Moreland Engineers, Boston, Mass. 1950.

KILLIAN, J. R., JR., President, Massachusetts Institute of Technology, Cambridge, Mass. (*Vice President, 1946–47.*) 1939.

KIMBALL, D. S., Emeritus, Professor of Mechanical Engineering, Cornell University, Ithaca, N. Y. (*President, 1928–29; Vice President, 1922–23; Member, Board of Investigation and Coordination, 1924–; Member of Council, 1928–46.*) *Sixth Recipient, Lamme Medal (1933).* 1915.

KIMBALL, ROBERT M., Executive Assistant to President, Massachusetts Institute of Technology, Cambridge, Mass. 1944.

KIMBALL, SPOFFARD H., Professor and Head, Dept. of Mathematics and Astronomy, University of Maine, Orono, Maine. 1943.

KIMBALL, WM. P., Dean, Professor of Civil Engineering Thayer School of Engineering, Hanover, N. H. 1933.

KIMBARK, EDWARD W., Professor of Electrical Engineering, Northwestern University, Evanston, Ill. On Leave: Instituto Tecnológico de Aeronáutica, São Jose dos Campos, São Paulo, Brasil. 1936.

KIMBERLY, EMERSON E., Professor of Electrical Engineering, The Ohio State University, Columbus, Ohio. 1943.

KIMEL, WILLIAM R., Assistant Professor of Machine Design, Kansas State College, Manhattan, Kans. 1948.

KINDIG, CARL H., Professor of Civil Engineering, Bucknell University, Lewisburg, Pa. 1939.

KINDSVATER, CARL E., Professor of Civil Engineering, Georgia Institute of Technology, Atlanta, Ga. 1947.

KING, CHARLES D., Assistant Professor of Mechanical Engineering, University of Idaho, Moscow, Idaho. 1949.

KING, E. HARRISON, JR., Principal Laboratory Assistant, Part-time Lecturer, Engineering Dept., University of California, Los Angeles, Calif. 1950.

KING, ELLIS F., Lecturer in Engineering, University of California, Los Angeles, Calif. 1949.

KING, EVERETT E., Professor of Railway Civil Engineering, Emeritus, University of Illinois, Urbana, Ill. 1908.

KING, IRA L. 1947.

KING, JOHN A., Professor and Head, Dept. of Mechanical Engineering, Syracuse University, Syracuse 10, N. Y. 1935.

KING, MORLAND, Professor and Head, Dept. of Electrical Engineering, Lafayette College, Easton, Pa. (*Member of Council, 1932–35.*) 1920.

KING, RICHARD, Instructor in Civil Engineering, University of Michigan, Ann Arbor, Mich. 1940.

KING, ROBERT M., Professor of Ceramic Engineering, The Ohio State University, Columbus, Ohio. 1937.

KING, SHERWOOD, Assistant Professor of Electrical Engineering, University of Tennessee, Knoxville, Tenn. 1950.

KING, WM. J., Professor, Dept. of Engineering, University of California, Los Angeles 24, Calif. 1946.

KINGMAN, EDWARD D., Head, Department of Applied Mechanics and Materials of Construction, Wentworth Institute, Boston 15, Mass. 1923.

KINGSBURY, JOHN A. T., 27 Windsor Pl., Moberly, Mo. 1947.

KINGSLEY, CHARLES, Associate Professor of Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1940.

KINNER, HAROLD G., Assistant Professor of Engineering Drawing, Rensselaer Polytechnic Institute, Troy, N. Y. 1947.

KINNEY, EDWARD E., Supt. of Buildings and Utilities, Michigan State College, East Lansing, Mich. 1925.

KINNEY, GILBERT F., Professor of Chemical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1935.

KINNEY, JOSEPH S., Professor and Head, Div. of Structural Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1936.

KINNEY, ROBERT C. 1949.

KINNIER, HENRY L., Associate Professor of Civil Engineering, University of Virginia, Charlottesville, Va. 1946.

KINSLOE, CHARLES L., Emeritus Professor, The Pennsylvania State College, State College Pa. (*Member of Council, 1939–42.*) 1926.

KINSLOW, RAY, Assistant Professor of General Engineering, Tennessee Polytechnic Institute, Cookeville, Tenn. 1949.

KINTIS, DINO H., Associate Professor of Aeronautical Engineering, Tri-State College, Angola, Ind. 1949.

KINTNER, PAUL M., Instructor in Electrical Engineering, University of Illinois, Urbana, Ill. 1950.

KINTNER, ROBERT C., Professor of Chemical Engineering, Illinois Institute of Technology, Chicago, Ill. (*Member of Council, 1946–47.*) 1934.

KINTZER, NICHOLAS D., Head, Dept. of Design, Academy of Aeronautics, 336 Coolidge St., W. Hempstead, N. Y. 1947.

KIPP, HAROLD L., Professor of Mechanical Engineering, University of Kansas, Lawrence, Kans. 1938.

KIPP, SAMUEL M., Instructor in Engineering Mathematics, University of Colorado, Boulder, Colo. 1947.

KIPPENHAN, CHARLES J., Assistant Professor of Mechanical Engineering, Washington University, St. Louis, Mo. 1950.

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KIRCHER, CHARLES E., JR., Professor and Head, Department of Chemical Engineering, Rose Polytechnic Institute, Terre Haute, Ind. 1947.

KIRCHER, LAWRENCE G., Instructor in Aeronautical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

KIRCHGESSNER, JULIUS F. 1947.

KIRK, EDWIN R., Associate in Research, North Carolina State College, Raleigh, N. C. 1950.

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KIRKBRIDE, CHALMER G., Vice President, Houdry Corporation, Marcus Hook, Pa. 1949.

KIRKENDALE, GEORGE A., Assistant Professor of Ceramic Engineering, New York State College of Ceramics, N. Y. 1948.

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KIRKPATRICK, C. V., Chairman, Petroleum Engineering Department, University of Houston, Houston, Texas. 1949.

KIRKPATRICK, ERNEST L., Assistant Professor of Physics, North Dakota Agricultural College, Fargo, N. D. 1943.

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KISHEL, CHESTER J., Assistant Professor of Mechanical Engineering, Fenn College, Cleveland, Ohio. 1949.

KISHIBAY, CHARLES O., Instructor in Applied Mechanics and Material Testing, Bridgeport Engineering Institute, Bridgeport, Conn. 1946.

KISSAM, PHILIP, Professor and Head, Dept. of Civil Engineering, Princeton University, Princeton, N. J. 1934.

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KITTREDGE, RAYMOND B., Professor of Transportation Engineering, State University of Iowa, Iowa City, Iowa. 1921.

KITTINGER, WILLIAM T. 1949.

KLAS, RAYMOND C., Instructor in Tool Engineering, Sinclair College, Dayton, Ohio. 1949.

KLEIN, FREDERICK, Professor of Engineering, St. Louis University, St. Louis, Mo. 1946.

KLEINE, HERMAN, Assistant Professor of Economics, Worcester Polytechnic Institute, Worcester, Mass. 1948.

KLEINHENZ, WILLIAM A., Instructor in Drawing and Descriptive Geometry, University of Minnesota, Minneapolis, Minn. 1950.

KLEINSCHMIDT, ROBERT B., Assistant Professor of Mechanics, Lehigh University, Bethlehem, Pa. 1939.

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KLEMME, CLAUDE C., Instructor in Civil Engineering, University of Colorado, Boulder, Colo. 1946.

KLINGBERGER, JAMES, Instructor in Electrical Engineering, Ohio Northern University, Ada, Ohio. 1949.

KLIPHARDT, RAYMOND A., Assistant Professor of Civil Engineering, Northwestern University, Evanston, Ill. 1947.

KLIPPLE, EDMUND C., Professor of Mathematics, Texas A. & M. College, College Station, Texas. 1948.

KLITGORD, OTTO, Director, New York State Institute of Applied Arts and Sciences, Brooklyn, N. Y. 1947.

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KLOPSTEG, PAUL E., Professor of Applied Science and Director of Research, Northwestern University, Evanston, Ill. 1945.

KLOSE, ORVAL M., Instructor in Mathematics, Seattle University, Seattle, Wash. 1950.

KLOTZ, J. CHARLES, Professor and Head, Dept. of Aeronautical Engineering, University of Tulsa, Tulsa, Okla. 1947.

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KNAPP, WILLARD A., Associate Dean of Engineering, Purdue University, Lafayette, Ind. 1920.

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KNIGHT, ARTHUR J., Professor of Civil Engineering, Worcester Polytechnic Institute, Worcester 2, Mass. 1926.

KNIGHT, NATHANIEL H., Associate Professor of Physics, Tufts College, Medford, Mass. 1947.

KNIGHT, ODON S., Supervising Chemical Engineer, Commercial Solvents Corp., Terre Haute, Ind. 1941.

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KNIPMEYER, CLARENCE C., Professor of Electrical Engineering, Rose Polytechnic Institute, Terre Haute, Ind. 1929.

KNOLL, HORTON B., Associate Professor of English, Purdue University, Lafayette, Ind. 1940.

KNOPF, WILLIAM C., Assistant Dean, Northwestern Technological Institute, Evanston, Ill. 1949.

KNOTT, CHARLES E., Dean of Engineering, California State Polytechnic College, San Luis Obispo, Calif. 1948.

KNOWLER, LLOYD A., Chairman, Dept. of Mathematics, University of Iowa, Iowa City, Iowa. 1946.

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KNOWLTON, ROBERT J., Assistant Professor in Industrial Engineering, Northeastern University, Boston, Mass. 1948.

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KNUDSEN, HAROLD B., Dean, Chicago Technical College, Chicago, Ill. 1946.

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KNUDSEN, VERN O., Dean of the Graduate Division, University of California, Los Angeles, Calif. 1949.

KNUDSON, CLARENCE M., Dean, School of Engineering, University of Denver, Denver, Colo. 1941.

KNUDSON, MARVIN C., President, Pueblo Junior College, Pueblo, Colo. 1950.

KNUTSEN, HAROLD W., Assistant Professor of Drawing, University of Wisconsin Extension, Milwaukee, Wis. 1949.

KOB, H. HOWARD, Associate Professor of Industrial Arts, Colorado A. & M. College, Fort Collins, Colo. 1948.

KOCH, WALTER L., Lecturer in Engineering, University of California, Los Angeles, Calif. 1949.

KOCK, PAUL O., Instructor in Physics, Ohio Mechanics Institute, Cincinnati, Ohio. 1950.

KOEHLER, GLENN, Professor of Electrical Engineering, University of Wisconsin, Madison, Wis. 1946.

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KOENIG, LLOYD R., Lecturer in Mechanical Engineering, Washington University, St. Louis, Mo. 1931.

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KOERPER, ERHARDT C., Research Administrator, A. O. Smith Corp., Milwaukee 1, Wis. 1946.

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KOFOID, MELVIN J., Associate Professor of Electrical Engineering, Oregon State College, Corvallis, Ore. 1948.

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KOHLMEYER, RICHARD J., Assistant Professor of Mathematics, Pratt Institute, Brooklyn, N. Y. 1948.

KOHLOSS, FREDERICK H., Assistant Professor of Mechanical Engineering, George Washington University, Washington, D. C. 1948.

KOHN, RICHARD S., Instructor in Refrigeration, New York State Agricultural and Technical Institute, Canton, N. Y. 1948.

KOLB, ROBERT P., Professor of Heat-Power Engineering, Worcester Polytechnic Institute, Worcester 2, Mass. 1925.

KOLB, WILLIAM K., President, Kay Manufacturing Co., P. O. Box 1844, Main Office, Los Angeles, Calif. 1937.

KOLM, ROGER E., Assistant Professor of Civil Engineering, Lehigh University, Bethlehem, Pa. 1947.

KOMAREWSKY, VASILI T., Professor of Chemistry and Chemical Engineering, Illinois Institute of Technology, Chicago, Ill. 1941.

KOMEN, PETER J., Instructor in Electrical Engineering, State College of Washington, Pullman, Wash. 1948.

KOMMERS, JESSE B., Chairman, Dept. of Mechanics, University of Wisconsin, Madison, Wis. 1923.

KONOVE, CARL, Assistant Professor of Mathematics, Newark College of Engineering, Newark, N. J. 1941.

KONZO, SEICHI, Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1950.

KOONSMAN, GEORGE L., Instructor in Civil Engineering, Colorado A. & M. College, Fort Collins, Colo. 1949.

KOOPMAN, RICHARD J. W., Professor and Head, Dept. of Electrical Engineering, Washington University, St. Louis, Mo. 1939.

KOOS, PAUL V., Laboratories Staff, Technical Employment Dept., Bell Telephone Labs., Inc., New York, N. Y. 1949.

KOPKA, MERLAND A., Counselor, Graduate Placement, Wayne University, Detroit, Mich. 1949.

KORGES, EMERSON, Assistant Professor of Engineering, Texas College of A. & I., Kingsville, Texas. 1946.

KOROBKIN, IRVING, Instructor in Mechanical Engineering, Syracuse University, Syracuse, N. Y. 1949.

KORSMEYER, F. B., Assistant Industrial Relations Manager, Research and Development Dept., Socony-Vacuum Oil Co., New York, N. Y. 1947.

KOSKI, PAUL I., Instructor in Mechanical Engineering, Michigan College of M. & T., Houghton, Mich. 1950.

KOSTOS, FRANK C., Assistant Professor of Engineering, Pennsylvania State Undergraduate Center, Hazleton, Pa. 1946.

KOTCHER, EZRA, Director, USAF Institute of Technology, Wright Field, Dayton, Ohio. 1946.

KOTH, ARTHUR W., Professor of Mining, University of North Dakota, Grand Forks, N. D. 1935.

KOTTMAN, ROBERT H., Instructor in Mechanical Engineering, Marquette University, Milwaukee, Wis. 1950.

KOUWENHOVEN, WILLIAM B., Dean, School of Engineering, Johns Hopkins University, Baltimore, Md. 1938.

KOVARIK, ALOIS F., Professor of Physics, Emeritus, Yale University, New Haven 11, Conn. 1919.

KOWALKE, OTTO L., Professor of Chemical Engineering, Emeritus, University of Wisconsin, Madison, Wis. 1918.

KOZACKA, JOSEPH S., Associate Professor of Mechanical Engineering, University of Illinois, Chicago, Ill. 1938.

KRAHULA, JOSEPH L., Instructor in Mechanics, Rensselaer Polytechnic Institute, Schenectady, N. Y. 1948.

KRANS, DONALD H., Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1947.

KRANTZ, WILLIAM H., Instructor in Civil Engineering, Lafayette College, Easton, Pa. 1950.

KRANZ, HERMANN E., Director, Industrial Technical Institute, 6160 Mt. Elliott Ave., Detroit 11, Mich. 1948.

KRASSA, PABLO, Dean, Escuela de Ingenieria, Facultad de Ciencias, Fisicas y Matematicas, Universidad de Chile, Santiago, Chile, S. A. 1945.

KRATHWOHL, WM. C., Professor of Mathematics and Director of Tests, Institute for Psychological Services, Illinois Institute of Technology, 18 S. Michigan Ave., Chicago, Ill. *Life member.* 1927.

KRAUSE, ROBERT P., Instructor in Mechanical Engineering, University of Washington, Seattle 2, Wash. 1947.

KRAUSS, J. EDWARD, Head of Mechanical Technology, New York Institute of Applied Arts and Sciences, Brooklyn, N. Y. 1948.

KRAVIK, REUBEN C., Assistant Professor of Engineering, University of Minnesota, Minneapolis, Minn. 1949.

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KRAYBILL, EDWARD K., Assistant Professor of Electrical Engineering, Duke University, Durham, N. C. 1940.

KRAYBILL, RICHARD R., Assistant Prof. of Chemical and Metallurgical Engineering, University of Rochester, Rochester, N. Y. 1950.

KREFELD, WILLIAM J., Professor of Civil Engineering, Columbia University, New York, N. Y. 1929.

KREIDER, MORRIS J., Assistant Professor of Mathematics, University of Dayton, Dayton, Ohio. 1949.

KREIDER, ORLANDO C., Assistant Professor of Mathematics, Iowa State College, Ames, Iowa. 1948.

KREISLE, LEONARDT F., Assistant Professor of Mechanical Engineering, University of Texas, Austin, Texas. 1947.

KRIEGEL, WILLIAM W., Professor and Head, Ceramic Engineering, North Carolina State College, Raleigh, N. C. 1949.

KRIEGER, HARRY, JR., College Relations and Special Recruiting Division, Personnel Dept., Radio Corporation of America, Camden 2, N. J. 1949.

KRILL, ARTHUR M., Assistant Professor of Mechanical Engineering and Coordinator, Cooperative Plan, University of Denver, Denver, Colo. 1948.

KROEGER, HENRY R., Engineer, Fairchild Engine and Airplane Co., Oak Ridge, Tenn. 1942.

KRONSBEIN, J., Professor and Head, Engineering Dept., Evansville College, Evansville, Ind. 1949.

KRUPNIK, STANLEY, JR., Instructor in Electrical Engineering, Marquette University, Milwaukee, Wis. 1950.

KRUSZKA, EDWARD J., Dean, Technical Institute and Pre-Engineering, Alliance Junior College, Cambridge Springs, Pa. 1943.

KRYNINE, D. P., Research Associate in Civil Engineering, Department of Engineering, University of California, Berkeley, Calif. 1934.

KUBIAK, HENRY J., Assistant Professor of Electrical Engineering, University of Wisconsin, Madison, Wis. 1948.

KUBO, GERALD G., Assistant Professor of Civil Engineering, New York University, Bliss Bldg., University Heights, New York 53, N. Y. 1947.

KUEBLER, ALFRED A., Instructor in General Engineering, Rutgers University, New Brunswick, N. J. 1947.

KUEHN, RALPH E., Assistant Professor of Electrical Engineering, University of Delaware, Newark, Del. 1949.

KUENZEL, HERBERT, Professor and Head, Mechanical Engineering Dept., University of Alabama, Tuscaloosa, Ala. 1946.

KUETHE, ARNOLD M., Professor, Aero Engineering, University of Michigan, Ann Arbor, Mich. 1942.

KUHLMAN, JOHN H., Professor of Electrical Design, University of Minnesota, Minneapolis, Minn. (*On leave, 1950–51, Instituto de Eletrotecnica, São Paulo, Brazil.*) 1925.

KUMMERLE, HARRISON M., Head, Mechanical Drawing Department, Textile High School, New York City. 1944.

KUNESH, JOSEPH F., Dean, College of Applied Science, University of Hawaii, Honolulu, T. H. 1947.

KUNKLE, GEORGE M., Associate Professor of Mechanical Engineering, Bucknell University, Lewisburg, Pa. 1925.

KUNSE, ROBERT M., Instructor in General Engineering, Purdue University Extension, Indianapolis, Ind. 1949.

KURAJIAN, GEORGE M., Instructor in Engineering Mechanics, University of Detroit, Detroit 21, Mich. 1948.

KURT, O. EDWARD, Technical Assistant to General Manager, Ethyl Corporation, Detroit, Mich. 1949.

KURTZ, EDWIN B., Professor and Head, Department of Electrical Engineering, University of Iowa, Iowa City, Iowa. 1921.

KURTZ, JOHN W., Assistant Professor of Engineering, University of Omaha, Omaha, Nebr. 1934.

KUSHNER, ALBERT, Assistant Professor of Mechanical Engineering, Syracuse University, Syracuse, N. Y. 1949.

KUSHNER, JOHN, Head, Chemical Technology Dept., New York State Institute of Applied Arts and Sciences, Binghampton, N. Y. 1948.

KUSIAN, ROSS N., Lecturer in Mechanical Engineering, University of Utah, Salt Lake City, Utah. 1950.

KUT, WALTER S., Associate Professor of Mechanical Engineering, Cooper Union, New York 3, N. Y. 1938.

KYLE, P. E., Francis Norwood Bard Professor of Metallurgy, Cornell University, Ithaca, N. Y. 1939.

KYROPOULOS, PETER, Assistant Professor of Mechanical Engineering, California Institute of Technology, Pasadena, Calif. 1946.

LABANAUSKAS, PAUL J., Assistant Production Engineer, National Video Corp., Chicago, Ill. 1950.

LA CAUZA, FRANK E., Professor and Head, Dept. of Electrical Engineering, U. S. Naval School (General Line), Monterey, Calif. 1946.

LACKLER, JOHN L., Assistant Professor of Mechanical Engineering, Catholic University of America, Washington, D. C. 1949.

LACY, EDGAR W., Associate Professor of English, University of Wisconsin, Madison, Wis. 1949.

LACY, JAMES W., Assistant Professor of Mechanical Engineering, Southern Methodist University, Dallas, Texas. 1947.

LADD, DOROTHY C., Dept. Head, Arts and Drafting, Paul Smith's College, Paul Smiths, N. Y. 1946.

LADNER, A. COLLINS, Assistant Professor of Engineering Science, Denison University, Granville, Ohio. 1934.

LAGAARD, MAURICE B., Associate Professor of Civil Engineering, Chairman, Department of Engineering-Drawing, Northwestern University, Evanston, Ill. 1942.

LAGO, GLADWYN V., Assistant Professor of Electrical Engineering, University of Missouri, Columbia, Mo. 1949.

LAIS, LUCIO. 1949.

LAITALA, EVERETT, Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. (*Member of Council, 1950–52.*) 1941.

LAITY, W. CLIFFORD, Associate Professor of History and English, Montana School of Mines, Butte, Mont. 1949.

La Joy, Millard H., Associate Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1945.

Lake, Robert E., Associate Professor of Physics, Pratt Institute, Brooklyn, N. Y. 1944.

Lake, Walter S., Assistant Professor of Mechanical Engineering, University of Massachusetts, Amherst, Mass. 1950.

Lake, William H., Instructor in Drawing, University of Tennessee, Knoxville, Tenn. 1949.

La Londe, William S., Professor and Head, Dept. of Civil Engineering, Newark College of Engineering, Newark, N. J. 1947.

Lamb, George G., Professor of Chemical Engineering, Northwestern University, Evanston, Ill. 1946.

Lamb, John F., Associate Professor of Electrical Engineering, University of Missouri, Columbia, Mo. 1937.

Lambe, Emerson P., Professor of Physics, Pratt Institute, Brooklyn 5, N. Y. 1926.

Lambert, B. J., Professor and Head, Dept. of Civil Engineering, State University of Iowa, Iowa City, Iowa. *Life member.* 1907.

Lambert, Edwin M., Professor and Head, Dept. of Mining, University of Minnesota, Minneapolis, Minn. 1945.

Lambert, Robert F., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

Lambie, Jos. S., Instructor in Drafting, Triangle School of Drafting, Pittsburgh, Pa. 1914.

Lampe, John H., Dean of Engineering, North Carolina State College, Raleigh, N. C. (*Member of Council, 1946–47.*) 1938.

Lancaster, Forrest W., Professor of Physics, North Carolina State College, Raleigh, N. C. 1937.

Landee, Franc A., Associate Professor and Head, Chemical Engineering Dept., University of Southern California, Los Angeles, Calif. 1947.

Lander, L. C., Chairman, Dept. of Industrial Engineering, General Motor Institute, Flint, Mich. 1945.

Landes, Jack H., Instructor in Engineering and Architecture, Chicago City College, Wright Branch, Chicago, Ill. 1946.

Landon, Ransom D., Dean, College of Engineering, University of Akron, Akron 4, Ohio. (*Member of Council, 1949–51.*) 1937.

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Lane, Ruth McG., Librarian, Vail Library, Massachusetts Institute of Technology, Cambridge, Mass. 1941.

Langdon, Howard H., Head, Research and Development, Consolidated Mach. Tool Corp., Rochester, N. Y. 1936.

Lange, Ernest O., Associate Professor of Electrical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1937.

Langenheim, Ralph L., Dean, College of Petroleum Engineering, University of Tulsa, Tulsa, Okla. 1938.

Langford, Joseph W., Associate Professor of Electrical Engineering, University of Massachusetts, Amherst, Mass. 1947.

Langford, Thomas R., Graduate Assistant in Civil Engineering, A. & M. College of Texas, College Station, Texas. 1947.

Langille, H. B., Associate Professor of Mechanical Engineering, Emeritus, University of California, Berkeley, Calif. 1915.

Langsdorf, Alexander S., Dean Emeritus, Schools of Engineering and Architecture, Washington University, St. Louis, Mo. (*Member of Council, 1913–16.*) 1903.

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Lantow, John W., Instructor in Mechanical Engineering, Colorado School of Mines, Golden, Colo. 1948.

La Pierre, Walter A., Assistant Professor of Electrical Engineering, Columbia University, New York 27, N. Y. 1943.

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Lark-Horovitz, K., Professor and Head, Dept. of Physics, Purdue University, Lafayette, Ind. 1942.

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Larsen, Karl D., Professor and Head, Dept. of Physics, Lafayette College, Easton, Pa. 1948.

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Larson, Curtis L., Instructor in Agricultural Engineering, University of Minnesota, St. Paul, Minn. 1950.

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Larson, Floyd C., Associate Professor of Civil Engineering, University of Oklahoma, Norman, Okla. 1949.

Larson, G. L., Professor of Mechanical Engineering, University of Wisconsin, Madison, Wis. 1911.

Larson, George H., Professor of Agricultural Engineering, Kansas State College, Manhattan, Kans. 1947.

Larson, Ludvig C., Professor of Electrical Engineering, Director, Electrical Standards Laboratory, University of Wisconsin, Madison 6, Wis. 1937.

Larson, Reinhold F., Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1939.

Larson, Sidney C., Associate Professor of Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1947.

LaRue, Harry A., Associate Professor of Civil Engineering, University of Missouri, Columbia, Mo. 1939.

Lascoe, Orville D., Assistant Professor of Engineering Shops, Purdue University, Lafayette, Ind. 1944.

Lassalle, Leo J., Dean, College of Engineering, Louisiana State University, University, La. (*Member of Council, 1947–49.*) 1935.

Latvala, Woodrow J., Assistant Professor of Mining Engineering, Missouri School of Mines, Rolla, Mo. 1949.

Lauchland, Lyman Stuart, Assistant Professor of Electrical Engineering, University of Toronto, Toronto 5, Ontario, Canada. 1945.

Lauder, Beeton P., Vice President, Bridgeport Engineering Institute, Bridgeport, Conn. 1949.

Lauer, Byron E., Professor and Head, Dept. of Chemical Engineering University of Colorado, Boulder, Colo. 1937.

Laughlin, Robert McC., Instructor in Engineering Drawing, University of Colorado, Boulder, Colo. 1948.

LAUGHTER, CLYDE N., Assistant Professor of Civil Engineering, University of Delaware, Newark, Del. 1950.

LAURSON, PHILIP G., Associate Professor of Civil Engineering, Yale University, New Haven, Conn. 1920.

LAUSCHE, LUVERNE F., Associate Professor of Mechanical Engineering, Ohio University, Athens, Ohio. 1948.

LAUSHEY, LOUIS M., Assistant Professor of Civil Engineering, Carnegie Institute of Technology, Pittsburgh 13, Pa. 1946.

LA VALLE, PETER F., Physical Science Examiner, U. S. Civil Service Commission, Washington 16, D. C. 1944.

LAVELLE, FRANCIS H., Instructor in Civil Engineering, Yale University, New Haven, Conn. 1949.

LAVES, WALTER C., Deputy Director General, UNESCO, 19 Avenue Kleber, Paris, France. 1947.

LAVINE, IRVIN, Sec. Treas., Industrial Research Service, Masonic Bldg., Dover, N. H. 1935.

LAWALL, CHARLES E., Assistant Vice President, C & O Railway Co., Huntington, W. Va. (*Member of Council, 1942–46.*) 1931.

LAWRENCE, E. GEORGE, President, Lawrence Institute of Technology, Detroit 3, Mich. 1943.

LAWRENCE, GEORGE M., Assistant Professor of Electrical Engineering, Ohio State University, Columbus, Ohio. 1949.

LAWS, LEONARD S., Assistant Professor of Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1947.

LAWSON, EDWARD C., Associate Professor of Mechanical Engineering, University of Delaware, Newark, Del. 1947.

LAY, JOACHIM E., Instructor in Mechanical Engineering, University of Detroit, Detroit 21, Mich. 1948.

LAY, WALTER E., Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

LAYNG, FRANK R., Vice President and Chief Engineer, Retired, Bessemer and Lake Erie Railroad, Greenville, Pa. (Home: 387 S. Main St.) 1945.

LAZAN, BENJAMIN J., Professor of Materials Engineering, University of Minnesota, Minneapolis 14, Minn. 1948.

LEACH, HERBERT W., Professor of Engineering and Physics, Tarleton State College, Stephenville, Texas. 1946.

LEACH, JAMES L., Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1950.

LEAHY, JOHN F., Director, Texas Cotton Research Institute, A. & M. College of Texas, College Station, Texas. 1943.

LEAMER, FRANK D., Personnel Director, Bell Telephone Labs., 463 West St., New York 14, N. Y. 1947.

LEAR, WILLIAM E., Assistant Professor of Electrical Engineering, University of Florida, Gainesville, Fla. 1949.

LEARY, ARTHUR P., Instructor in Engineering and Assistant to the Dean, Case Institute of Technology, Cleveland, Ohio. 1948.

LEAVITT, ERNEST E., Associate Professor of Mechanical Engineering, Tufts College, Medford, Mass. 1945.

LEBELL, DON, Assistant Engineer, Engineering Dept., University of California, Los Angeles, Calif. 1950.

LE BOLD, WILLIAM K., Instructor in Electrical Engineering, University of Illinois, Chicago, Ill. (Home: 2733 Western Ave., Park Forest, Ill.) 1947.

LEBRON, WILFREDO J., Instructor in Civil Engineering, University of Puerto Rico, Mayaguez, P. R. 1947.

LE CAIN, GEORGE H., Assistant Supervisor, Mechanical Engineering Dept., Rochester Institute of Technology, Rochester, N. Y. 1945.

LECLAIR, TITUS G., Chief Electrical Engineer, Engineering Dept., Commonwealth Edison Co., Chicago, Ill. 1949.

LEE, ADOLPH O., Assistant Professor of Mechanical Engineering, University of Minnesota, Minneapolis 14, Minn. 1945.

LEE, CHARLES F., Assistant Manager, Technical Recruiting Division, General Electric Co., Schenectady, N. Y. 1947.

LEE, CLAUDIUS, Professor of Electrical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1935.

LEE, EVERETT S., Engineer, General Engineering and Consulting Laboratory, General Electric Co., Schenectady, N. Y. 1943.

LEE, GEORGE H., Professor of Mechanics, U. S. Naval Postgraduate School, Annapolis, Md. 1941.

LEE, JOHN F., Associate Professor of Mechanical Engineering, University of Maine, Orono, Maine. 1948.

LEEPER, MARVIN T., Engineer, American Bridge Co., Gary, Ind. 1949.

LEET, HORACE W., Professor and Head, Dept. of Mechanical Drawing and Machine Design, University of Rochester, Rochester, N. Y. 1944.

LEETCH, GEORGE N. P., Director, Placement Service, Pennsylvania State College, State College, Pa. 1949.

LEFFELL, WILL O., Assistant Professor of Electrical Engineering, University of Tennessee, Knoxville, Tenn. 1945.

LEGAULT, ADRIAN R., Associate Professor of Civil Engineering, University of Nebraska, Lincoln, Nebr. 1940.

LEGGETT, GLENN H., Instructor in English, Ohio State University, Columbus, Ohio. 1946.

LEGGETT, JAMES T., Associate Professor of Mechanical Engineering, University of Florida, Gainesville, Fla. 1948.

LEHMAN, L. GRAHAM, Electrical Engineer, Eng. & Design, Navy Dept., 9504 Page Ave., Bethesda 14, Md. 1939.

LEHMANN, CHARLES H., Instructor in Mathematics, Cooper Union, New York, N. Y. 1941.

LEHMANN, EMIL W., Professor and Head, Department of Agricultural Engineering, University of Illinois, Urbana, Ill. 1935.

LEHOCZKY, PAUL N., Professor and Chairman, Dept. of Industrial Engineering, Ohio State University, Columbus 10, Ohio. (*Member of Council, 1946–48.*) 1930.

LEHRER, ROBERT N., Associate Professor of Industrial Engineering, Georgia Institute of Technology, Atlanta, Ga. 1950.

LEIDEL, FREDERICK O., Instructor in Drawing and Descriptive Geometry, University of Wisconsin, Madison, Wis. 1950.

LEIFSON, SIGMUND W., Professor of Physics, University of Nevada, Reno, Nev. 1949.

LEIGH, ALFRED H., Professor of Civil Engineering, Michigan State College, East Lansing, Mich. 1950.

LEIGHTON, ARTHUR W., Professor of Engineering Drawing, Tufts College, Medford 55, Mass. 1922.

LEISTER, JOHN S., Professor of Civil Engineering, The Pennsylvania State College, State College, Pa. 1934.

LEISTER, VOLNEY B., Manager, Industrial Relations Division, Public Service Co. of Northern Illinois, Evanston, Ill. 1949.

LELAND, O. M., Dean Emeritus of Engineering, University of Minnesota, 911 5th St., S.E., Minneapolis 14, Minn. (*President, 1926–27; Member of Council, 1921–24, 1926–46.*) *Life member.* 1908.

LE MAIRE, GEORGE W., Associate Professor of Petroleum Refining, Colorado School of Mines, Golden, Colo. 1947.

LENDALL, HARRY N., Professor Emeritus of Municipal and Sanitary Engineering, Chairman, Dept. of Civil Engineering, Rutgers University, New Brunswick, N. J. *Life member.* 1912.

LENG, RICHARD B., Controller, Electronics Division, Sylvania Electric Co., 70 Forsyth Street, Boston, Mass. 1937.

LENHART, JACK, Assistant Professor of Drawing, University of Texas, Austin, Texas. 1944.

LENOIR, JOHN M., Assistant Professor of Chemical Engineering, University of Arkansas, Fayetteville, Ark. 1949.

LENT, DEANE, Assistant Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1950.

LENZ, ARNO T., Professor of Civil Engineering, University of Wisconsin, Madison, Wis. 1938.

LEO, BROTHER AMANDUS, F.S.C., Dean of Engineering, Manhattan College, New York, N. Y. 1928.

LEONARD, CARROLL M., Professor of Mechanical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1930.

LEONARD, HEMAN BURR, Professor of Mathematics, University of Arizona, Tucson, Ariz. 1919.

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LEONARD, SAMUEL J., Professor of Civil Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1928.

LEONE, WILLIAM C., Instructor in Mechanical Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1949.

LEPPER, HENRY A., Associate Professor of Civil Engineering, Yale University, New Haven, Conn. 1949.

LERNER, SAMUEL, Assistant Professor of Civil Engineering, Brown University, Providence, R. I. 1941.

LESESNE, CHARLES H., Adjunct Professor of Engineering, University of South Carolina, Columbia, S. C. 1948.

LESSER, ARTHUR, JR., Chairman & Associate Professor of Economics of Engineering, Stevens Institute of Technology, Hoboken, N. J. 1943.

LESTER, BERNARD, Lester & Silver, Management Engineers, 140 Cedar St., New York 6, N. Y. 1936.

LESTER, HELEN M., Instructor in Mechanics, West Virginia University, Morgantown, W. Va. 1948.

LESTER, OLIVER C., Professor of Physics, Vice president and Dean of Graduate School, Emeritus, University of Colorado, Boulder, Colo. 1912.

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LEVY, BERNARD, JR., Engineering Dept., Atomic Power Division, Westinghouse Electric Corp., East Pittsburgh, Pa. 1947.

LEVY, GEORGE F., Assistant Professor of Electrical Engineering, Illinois Institute of Technology, Chicago 16, Ill. 1944.

LEVY, MARTIN J., Instructor G. E. D., University of Illinois, Navy Pier, Room 150, Chicago, Ill. 1948.

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LEWIS, ALEXANDER D., Associate Professor of Mechanical Engineering, Clemson Agricultural College, Clemson, S. C. 1943.

LEWIS, AMBROSE B., Instructor in Agricultural Engineering, A. & T. College, Greensboro, N. C. 1949.

LEWIS, CHARLES F., Instructor in Mathematics, North Carolina State College, Raleigh, N. C. 1950.

LEWIS, FRED A., Head, Mathematics Dept., University of Alabama, University, Ala., 1949.

LEWIS, FRED J., Dean, School of Engineering, Vanderbilt University, Nashville, Tenn. (*Member of Council, 1949–51.*) 1926.

LEWIS, JOHN B., Instructor in Electrical Engineering, University of Tennessee, Knoxville, Tenn. 1949.

LEWIS, JOHN R., Head, Metallurgical Dept., University of Utah, Salt Lake City, Utah. 1949.

LEWIS, JOSEPH F., Electrical Designer, United Engineers & Constructors, Philadelphia 44, Pa. *Life member.* 1913.

LEWIS, RALPH E., Assistant Professor of General Engineering, Duke University, Durham, N. C. 1931.

LEWIS, ROBERT L., Professor and Head, Dept. of Civil Engineering, New York University, New York, N. Y. 1939.

LEWIS, ROBERT S., Professor of Mining, Emeritus, University of Utah, Salt Lake City, Utah. 1922.

LEWIS, RODNEY C., Lecturer in Electrical Engineering, University of Southern California, Pasadena, Calif. 1947.

LEWIS, WARREN K., Professor of Chemical Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass. *Twentieth Recipient, Lamme Medal (1947).* 1932.

LEWIS, WILLIAM A., JR., Dean, Graduate School, Illinois Institute of Technology, Chicago 16, Ill. 1939.

LEWISOHN, SAM A., Vice President and Treasurer, Miami Copper Company, 61 Broadway, New York City. 1929.

LEY, B. JAMES, Assistant Professor of Electrical Engineering, New York University, New York, N. Y. 1950.

LIBBEY, WALDO M., Instructor in Electrical Engineering, University of Maine, Orono, Maine. 1947.

LIBBY, WILBUR E., Coordinator of Engineering, Michigan State College, East Lansing, Mich. 1950.

LICHT, WILLIAM, JR., Associate Professor of Chemical Engineering, University of Cincinnati, Cincinnati 21, Ohio. 1943.

LICHTY, LESTER C., Professor of Mechanical Engineering, Yale University, New Haven, Conn. 1930.

LICKEY, HARRY F., Associate Professor of Electrical Engineering, Washington State College, Pullman, Wash. 1936.

LIDDICOAT, RICHARD T., Associate Professor of Engineering Mechanics, University of Michigan, Ann Arbor, Mich. 1940.

LIEBIG, JOHN O., JR., Assistant Professor of Civil Engineering, Lehigh University, Bethlehem, Pa. 1950.

LIGHTHOLDER, RICHARD K., Associate Professor of Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

LILLIBRIDGE, A. L., Assistant Professor of Mechanical Engineering, University of Idaho at Pocatello, Idaho. 1947.

LILLIOTT, RICHARD W., JR., Associate Professor of Architectural Engineering, University of Houston, Houston, Texas. 1949.

LIMING, ROY A., Supervisor, Engineering Dept., North American Aviation, Inc., Municipal Airport, Los Angeles 45, Calif. 1947.

LIN, ANDREW D., Instructor in Mechanical Engineering, Pratt Institute, Brooklyn, N. Y. 1949.

LIN, TUNG-HUA, Associate Professor of Aeronautical Engineering, University of Detroit, Detroit, Mich. 1950.

LIN, TUNG Y., Associate Professor of Civil Engineering, University of California, Berkeley, Calif. 1946.

LIND, MERRIL S., Instructor in Electrical Engineering, Michigan College of M. & T., Houghton, Mich. 1950.

LINDAHL, ERIC J., Professor and Head, Dept. of Mechanical Engineering, University of Wyoming, Laramie, Wyo. 1941.

LINDAU, JULES W., Professor of Mechanical Engineering, University of South Carolina, Columbia, S. C. 1945.

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LINDELL, W. FRANCIS, Assistant Professor of Mechanical Engineering, University of Delaware, Newark, Del. 1941.

LINDENMEYER, RAY S., Associate Professor of Industrial Engineering, Northwestern University, Evanston, Ill. 1943.

LINDER, CLARENCE H., Manager, Engineering Apparatus Dept., General Electric Co., Schenectady, N. Y. 1950.

LINDLEY, ROY W., Chairman, Engineering Shops, Purdue University, Lafayette, Ind. 1922.

LINDON, PAUL H., Associate Professor of Electrical Engineering, Colorado A. & M. College, Fort Collins, Colo. 1949.

LINDQUIST, ROBERT M. L., Assistant Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

LINDSAY, FRANK B., Assistant Superintendent of Public Instruction, State Dept. of Education, Sacramento, Calif. 1928.

LINDSAY, JAMES D., Professor and Head, Dept. of Chemical Engineering, A. & M. College of Texas, College Station, Texas. 1936.

LINDSAY, RICHARD W., Vice President, Mountain States Tel. & Tel. Co., Denver, Colo. 1947.

LINDSEY, EDGAR E., Professor of Chemical Engineering, University of Massachusetts, Amherst, Mass. 1947.

LINDSEY, F. GORDON, Director, Malone Branch, Clarkson College, Malone, N. Y. 1949.

LINDSTROM, CARL A., Assistant Professor of Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

LINDVALL, FREDERICK C., Chairman, Division of Engineering, California Institute of Technology, Pasadena, Calif. 1941.

LINEBACK, HUGH, Assistant Professor of Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1947.

LINGELBACH, DANIEL D., Instructor in Electrical Engineering, University of Arkansas, Fayetteville, Ark. 1950.

LINGEMAN, CYRIL A., Instructor in English, University of Detroit, Detroit, Mich. 1941.

LINSINMEYER, ROY F., Assistant Professor of Civil Engineering, Swarthmore College, Swarthmore, Pa. 1948.

LINSKY, CHESTER, Instructor in Industrial Engineering, Bradley University, Peoria, Ill. 1949.

LINTEN, LEONARD, Instructor in General Engineering, Rutgers University, New Brunswick, N. J. 1948.

LINVILLE, THOMAS M., Staff Assistant to Manager of Engineering Apparatus Dept., General Electric Co., Schenectady, N. Y. 1947.

LIPKIN, LOUIS, Instructor in Electrical Engineering, Wayne University, Detroit, Mich. 1950.

LIPPER, RALPH I., Assistant Professor of Agricultural Engineering, Kansas State College, Manhattan, Kans. 1948.

LIPPERT, JOHN W., Instructor in Engineering English, University of Minnesota, Minneapolis, Minn. 1950.

LIPSICK, LEON P., Consulting Engineer, 1860 Alamanda Drive, Miami, Fla. 1947.

LISSNER, HERBERT R., Professor & Head of Engineering Mechanics, Wayne University, Detroit 1, Mich. 1943.

LISTON, JOSEPH, Professor of Aeronautical Engineering, Purdue University, Lafayette, Ind. 1944.

LITKENHOUS, EDWARD E., Professor and Head, Dept. of Chemical Engineering, Vanderbilt University, Nashville, Tenn. 1936.

LITTAUER, SEBASTIAN B., Associate Professor of Industrial Engineering, Columbia University, New York, N. Y. 1948.

LITTLE, NEIL, Associate Professor of Engineering Mechanics, Purdue University, Lafayette, Ind. 1945.

LITTLEFIELD, GARNETT, Associate Professor of Civil Engineering, University of Utah, Salt Lake City, Utah. 1943.

LITTLETON, EARLE F., Associate Professor of Civil Engineering, Tufts College, Medford, Mass. 1938.

LIU, MAOLING, Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

LIUM, ELDER L., Professor of Civil Engineering, University of North Dakota, Grand Forks, N. D. 1940.

LIVAS, HENRY L., Associate Professor of Architecture, Hampton Institute, Hampton, Va. 1945.

LIVERMORE, JOSEPH D., Associate Professor of Drawing and Descriptive Geometry, University of Wisconsin, Madison, Wis. 1948.

LIVINGOOD, MARVIN D., Research Assistant Professor of Chemical Engineering Experiment Station, Michigan State College, East Lansing, Mich. 1941.

LIVINGSTON, ARNOLD R., Assistant Professor of T. & A. Mechanics, Iowa State College, Ames, Iowa. 1944.

LIVINGSTON, ROBERT T., Professor of Industrial Engineering, Columbia University, New York 27, N. Y. 1948.

LIVINGSTONE, M. M. 1947.

LIWSCHITZ-GARIK, MICHAEL, Professor of Electrical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1942.

LNENICKA, WILLIAM J., Instructor in Civil Engineering, University of Nebraska, Lincoln, Nebr. 1949.

LOBENSKI, J. J. 1948.

LOBERG, HARRY J., Director, Sibley School of Mechanical Engineering, Cornell University, Ithaca, N. Y. 1945.

LOBINGER, GEORGE D., Manager, Student Recruitment, Westinghouse Electric Corp., East Pittsburgh, Pa. 1945.

LOBO, WALTER E. 1949.

LOCKE, ARTHUR A., Professor and Chairman, Dept. Aeronautical Engineering, Wayne University, Detroit 1, Mich. 1944.

LOCKE, WILLIAM W., JR., Professor of Electrical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1934.

LOCKHART, FRANK J., Acting Head of Chemical Engineering, University of Southern California, Los Angeles, Calif. 1947.

LOCKWOOD, HAROLD J., Professor of Engineering, Trinity College, Hartford, Conn. 1949.
LOCKWOOD, RAYMOND M., Instructor in General Engineering, Oregon State College, Corvallis, Ore. 1948.
LOEBL, FRANK W., Instructor in Mechanical Engineering, Norwich University, Northfield, Vt. 1949.
LOEBL, ROBERT A., Instructor in Mechanical Engineering, University of Notre Dame, Notre Dame, Ind. 1948.
LOEBS, WILLIAM F., Instructor in Physics, University of Detroit, Detroit, Mich. 1947.
LOERCH, JOHN H. 1945.
LOEW, EDGAR A., Dean Emeritus, College of Engineering, and Professor of Electrical Engineering, University of Washington, Seattle, Wash. (*Member of Council, 1944–46.*) 1936.
LÖF, GEORGE O. G., Professor and Head, Dept. of Chemical Engineering, University of Denver, University Park, Denver, Colo. 1947.
LOF, ROY V., Educational Specialist, U. S. Air Force Technical School, Belleville, Ill. 1950.
LOFGREN, KENNETH E., Associate Professor of Machine Design, Cooper Union, New York, N. Y. 1936.
LOFLIN, ZEKE L., Professor and Head, Dept. of Mathematics, Southwestern Louisiana Institute, Lafayette, La. 1944.
LOHMANN, M. R., Vice Dean, Institute of Technology, Oklahoma A. & M. College, Stillwater, Okla. 1946.
LOHR, WM. S., Professor and Head, Dept. of Civil Engineering, Lafayette College, Easton, Pa. 1927.
LOMAZ, DANIEL DE L., Instructor in Electrical Engineering, University of Akron, Akron, Ohio. 1949.
LOMMEL, GEORGE E., Professor of Topographical Engineering, Purdue University, Lafayette, Ind. 1926.
LONDON, ALEXANDER L., Professor of Mechanical Engineering, Stanford University, Stanford, Calif. 1940.
LONERGAN, JOHN J., Instructor in Mechanical Engineering, Marquette University, Milwaukee, Wis. 1948.
LONG, CLARENCE H., Associate Professor of Mechanical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1946.
LONG, DEAN, Vice President and Director, Adult Education, Evansville College, Evansville, Ind. 1950.
LONG, EDWARD L., JR., Student & Assistant, Christian Ethics, Union Theological Seminary, Columbia University, New York 27, N. Y. 1945.
LONG, JAMES D., Special Assistant in Agricultural Engineering, Bureau of Plant Industry, Soils and Agricultural Engineering, U. S. D. A., Agricultural Research Center, Beltsville, Md. 1932.
LONG, J. WILLIAM, Administrative Engineer, Curtis-Wright Corp., Propeller Division, Caldwell, N. J. 1946.
LONG, MAURICE B., Treasurer and Assistant to Vice President, Bell Telephone Laboratories, 463 West Street, New York, N. Y. 1930.
LONG, MAURICE W. 1948.
LONG, VELDON O., Associate Professor and Head, Dept. of Electrical Engineering, University of Wyoming, Laramie, Wyo. 1946.
LONG, WAYNE E., Professor of Mechanical Engineering, University of Texas, Austin, Texas. 1948.
LONGACRE, WILLIAM A., Professor of Physics, Michigan College of M. & T. Houghton, Mich. 1943.
LONGHOUSE, ALFRED D., Professor and Head, Dept. of Agricultural Engineering, West Virginia University, Morgantown, W. Va. 1947.
LONGO, CHARLES V., Assistant Professor of Electrical Engineering, Rutgers University, New Brunswick, N. J. 1947.
LONGSTAFF, JOHN B., Assistant Professor of Engineering, University of Massachusetts, Amherst, Mass. 1948.
LONGWELL, WILLIAM F. M., Associate Professor of Civil Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1944.
LOPEZ-BARANANO, JOSE M., Head, Mechanical Engineering, Instituto Tecnologico de Monterrey, Monterrey, N. L., Mexico. 1950.
LOOK, FREDERICK W., Assistant Professor of Civil Engineering, Youngstown College, Youngstown, Ohio. 1950.
LOOMIS, CHARLES K., JR., Instructor in Electrical Engineering, Detroit Institute of Technology, Detroit, Mich. 1950.
LOONEY, CHARLES T. G., Associate Professor of Civil Engineering, Yale University, New Haven, Conn. 1937.
LORAH, JAMES R., Associate Professor of Chemical Engineering, University of Missouri, Columbia, Mo. 1928.
LORD, JAMES O., Associate Professor of Metallurgy, The Ohio State University, Columbus, Ohio. 1946.
LORRAINE, PERCY M., 1045 E. Longden, San Gabriel, Calif. 1947.
LORSCH, HAROLD G., N. Y. 1948.
LOTHERS, JOHN E., Professor of Architecture, Oklahoma A. & M. College, Stillwater, Okla. 1947.
LOTT, ARWYNE O., Assistant Designer, Southern Services, Inc., 1928 16th Avenue South, Birmingham, Ala. 1941.
LOUGH, EDWIN B., Field Representative, Technical Publications, D. Van Nostrand Co., 2260 Pelham Ave., Los Angeles, Calif. 1945.
LOUGHMILLER, KENNETH M., Eaton, Ind. 1946.
LOVAN, JAMES E. Instructor, Technical Department, Central Radio and Television Schools, Kansas City, Mo. 1950.
LOVE, JOSEPH E., JR., Instructor in Civil Engineering, Northwestern Technological Institute, Evanston, Ill. 1948.
LOVELL, ALFRED H., Professor and Chairman, Dept. of Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1920.
LOVELL, WILLIAM E., Professor of Electrical Engineering, University of Saskatchewan, Saskatoon, Sask. 1937.
LOVETT, I. H., Professor and Head, Electrical Engineering Dept., Missouri School of Mines, Rolla, Mo. 1921.
LOVING, ROBERT O., Associate Professor of Technical Drawing, Illinois Institute of Technology, Chicago, Ill. 1942.
LOWE, CLIFFORD B., Assistant Professor of Physics, South Dakota School of Mines, Rapid City, S. D. 1949.
LOWE, GEORGE B., Drainage Engineer, G. B. Lowe Company, Pasadena, Texas. 1950.
LOWE, THOMAS M., Director, School of Hydraulic Engineering, Louisiana State University, Baton Rouge, La. 1928.
LOWE, WILKYE B., Instructor in Engineering Drawing, University of Houston, Houston, Texas. 1949.
LOWE, WILLIAM J., Professor of English, Clarkson College, Potsdam, N. Y. 1947.
LOWEKE, GEORGE P., Assistant Professor of Mechanics, Wayne University, Detroit, Mich. 1943.
LOWRY, WALTER L., JR., Associate Professor of Civil Engineering, Clemson College, Clemson, S. C. 1950.
LOWRY, WAYNE H., Consumer Relations, The International Harvester Co., Chicago, Ill. 1949.
LOYD, C. M., Assistant Professor of Physics, West Virginia Institute of Technology, Montgomery, W. Va. 1949.

LOYE, EDWARD S., Associate Professor of Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1947.

LU, TAN C., Associate Professor of Mechanical Engineering, Howard University, Washington, D. C. 1950.

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LUCAS, JAMES H., Associate Professor of Civil Engineering, Georgia Institute of Technology, Atlanta, Ga. 1947.

LUCAS, ROBERT L., Assistant Professor of Electrical Engineering, St. Louis University, St. Louis, Mo. 1947.

LUCAS, WILLIAM A., Instructor in Mathematics, Stevens Institute, Hoboken, N. J. 1949.

LUCE, ALEXANDER W., Professor and Head, Dept. of Mechanical Engineering, Pratt Institute, Brooklyn 5, N. Y. 1932.

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LUDT, RANDALL W., Associate Professor of Chemical Engineering, Michigan State College, East Lansing, Mich. 1939.

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LUECK, DAVID W., Assistant Professor of Aeronautical Engineering, USAF Institute of Technology, Wright AF Base, Dayton, Ohio. 1949.

LUEDER, DONALD R., Assistant Professor of Civil Engineering, Rutgers University, New Brunswick, N. J. 1948.

LUKE, CHARLES D., Professor and Chairman, Department of Chemical Engineering, Syracuse University, Syracuse 10, N. Y. 1939.

LUKE, EDWIN D., Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1950.

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LUKENS, HIRAM S., Director, Department of Chemistry and Chemical Engineering, University of Pennsylvania, Philadelphia, Pa. 1935.

LUKER, ALBERT G., Assistant Professor of Engineering Social Humanities, South Dakota State School of Mines and Technology, Rapid City, S. D. 1947.

LUND, CLARENCE E., Professor of Engineering and Asst. Director, Engineering Experiment Station, University of Minnesota, Minneapolis, Minn. 1948.

LUND, PHILIP S., Instructor in Electrical Engineering, Michigan College of Mining and Technology, Houghton, Mich. 1950.

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LUSK, JAMES B., Assistant Professor of Mechanical Engineering, Purdue University, West Lafayette, Ind. 1945.

LUTHER, H. B., Williams Thoms Professor of Civil Engineering, University of Cincinnati, Cincinnati, Ohio. 1914.

LUTZ, SAMUEL G., Professor and Chairman, Dept. of Electrical Engineering, New York University, University Heights 53, N. Y. 1939.

LUZADDER, WARREN J., Associate Professor of General Engineering, Purdue University, Lafayette, Ind. 1943.

LYFORD, WILLARD C., Instructor in Mechanical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1949.

LYNAM, WILLIAM A., Associate Professor of Mechanical Engineering, Case Institute of Technology, Cleveland, Ohio. 1947.

LYNCH, S. A., Head, Geology Department, Texas A. & M. College, College Station, Texas. 1948.

LYNCH, W. S., Supt. of Schools, Fall River, Mass. 1939.

LYNN, JOSEPH T., Assistant Professor of Physics, North Carolina State College, Raleigh, N. C. 1945.

LYON, GEORGE B., Assistant Professor of Civil Engineering, Cornell University, Ithaca, N. Y. 1947.

LYON, J. A. M., Associate Professor of Electrical Engineering, Northwestern University, Evanston, Ill. 1947.

LYTLE, CHAS. W., Professor of Industrial Engineering, New York University, New York 53, N. Y. 1922.

LYTLE, NELSON E., Instructor in Engineering, Olympic Junior College, Bremerton, Wash. 1950.

MABIE, HAMILTON H., Associate Professor of Machine Design, Cornell University, Ithaca, N. Y. 1941.

MACALPINE, DAVID M., Professor of Civil Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1946.

MACARTNEY, THOMAS W., Instructor in General Engineering, University of Washington, Seattle, Wash. 1948.

MACCULLOUGH, GLEASON H., Professor of Engineering Mechanics, Worcester Polytechnic Institute, Worcester, Mass. 1922.

MACCURDY, W. K., Instructor in Civil Engineering, Stanford University, Stanford University, Calif. 1948.

MACDONALD, FRANK W., Associate Professor of Electrical Engineering, University of Florida, Gainesville, Fla. 1949.

MACDONALD, JAMES R., Assistant Professor of Chemical and Metallurgical Engineering, University of Denver, Denver, Colo. 1943.

MACDONALD, JOHN A., Instructor in Mathematics, Wentworth Institute, Boston, Mass. 1948.

MACDONNELL, ROBERT B., Assistant Professor of Physics, Fairfield University, Fairfield, Conn. 1943.

MACDUFF, JOHN N., Associate Professor of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1948.

MACELWANE, JAMES B., Dean, Institute of Technology, St. Louis University, St. Louis, Mo. 1946.

MACFARLANE, CARL S., Instructor in English-Personnel, Ohio Mechanics Institute, Cincinnati, Ohio. 1950.

MACHOVINA, PAUL E., Associate Professor of Engineering Drawing, The Ohio State University, Columbus, Ohio. 1945.

MACHWART, GEORGE M., Professor of Chemical Engineering, Michigan College of M. & T., Houghton, Mich. 1941.

MACINTOSH, A. NORMAN, Associate Professor of Geology, Michigan College of M. & T., Houghton, Mich. 1943.

MACIULA, L. A., Assistant Professor of Industrial Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1948.

MACK, DARRELL E., Curriculum Director & Professor of Chemical Engineering, Lehigh University, Bethlehem, Pa. 1947.

MACK, DAVID J., Assistant Professor, Mining and Metallurgical Engineering, University of Wisconsin, Madison, Wis. 1943.

MACKEN, DON R., Coordinator of Conferences, University Extension Division, University of Tennessee, Knoxville, Tenn. 1950.

MACKAVANAGH, THOMAS J., Professor and Chairman, Dept. of Electrical Engineering, Catholic University of America, Washington, D. C. 1943.

MACKAY, SCOTT, Professor of Metallurgical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1936.

MACKENZIE, DONALD H., Dean, Lincoln Technical Institute, Northeastern University, Boston, Mass. 1946.

MACKENZIE, JOHN M., Assistant Professor of Mechanical Engineering, University of Minnesota, St. Paul, Minn. 1948.

MACKENZIE, WILLIAM N., President, Treasurer & Director, Terryville Water Co., Wallingford, Conn. 1950.

MACKEY, CHARLES O., Professor of Heat-Power, Cornell University, Ithaca, N. Y. 1942.

MACKIN, FRANK L., Chairman, Machine Shop Dept., General Motors Institute, Flint, Mich. 1945.

MACKINNON, JOSEPH C., Registrar, Massachusetts Institute of Technology, Cambridge, Mass. 1939.

MACLEAN, EDWARD A., Professor and Head, Dept. of Civil Engineering, Rose Polytechnic Institute, Terre Haute, Ind. 1937.

MACLIN, EDWARD S., Engineering Coordinator, and Director, Evening Program, Marshall College, Huntington, W. Va. 1922.

MACNAUGHTON, EDGAR, Professor of Mechanical Engineering, Tufts College, Medford 55, Mass. 1916.

MACQUIGG, CHARLES E., Dean, College of Engineering, The Ohio State University, Columbus 10, Ohio. (*President, 1947–48; First Vice President, 1942–43; Member of Council, 1939–40, 1947–51.*) 1937.

MADDEN, ARTHUR J., Instructor in Chemical Engineering, University of Minnesota, Minneapolis, Minn. 1945.

MADDIN, ROBERT, Assistant Professor of Mechanical Engineering, The Johns Hopkins University, Baltimore, Md. 1948.

MADDOCK, JOHN K., Editor, Science and Industry Div., John Wiley & Sons, Inc., 440 Fourth Ave., New York City. 1943.

MAEDEL, GEORGE F., Vice President and General Superintendent, RCA Institutes, 350 West 4th St., New York 14, N. Y. 1948.

MAGGI, AGUSTIN, Dean Facultad de Ingenieria, Universidad de la Republica, Montevideo, Uruguay, S. A. 1943.

MAGNUSON, ELMER G., Instructor in Technical Drawing, Illinois Institute of Technology, Chicago, Ill. 1948.

MAGNUSON, ELTON E., Executive Vice President, Lus-Trus Extruded Plastics, Inc., Box 624, Ann Arbor, Mich. 1943.

MAGNUSSON, PHILIP C., Assistant Professor of Electrical Engineering, Oregon State College, Corvallis, Ore. 1948.

MAHER, JOHN E., Instructor in Mechanical Training, Institute of Applied Arts & Sciences, State University of New York, Buffalo, N. Y. 1950.

MAIN, KENNETH L., Instructor in Electrical Engineering, Iowa State College, Ames, Iowa. 1950.

MAINARDI, MARCUS N., Assistant Professor of Physics, Newark College of Engineering, Newark, N. J. 1949.

MAINARDI, POMPEY, Associate Professor of Mathematics, Newark College of Engineering, Newark, N. J. 1935.

MAINS, LAURENCE P., Assistant Professor of Civil Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1937.

MAINS, ROBERT M., Associate Professor of Civil Engineering, Cornell University, Ithaca, N. Y. 1943.

MAJESKE, LEONARD M., Assistant Professor of Engineering Mechanics, University of Detroit, Detroit, Mich. 1949.

MAJUMDAR, MANOJKUMAR, Assistant Engineer, Civil Construction, Telco Works, Tatanagar, Bihar, India. 1947.

MAKENS, ROYAL F., Professor of Chemistry, Michigan College of M. & T., Houghton, Mich. 1945.

MAKIELSKI, JOHN P., Registrar, Illinois Institute of Technology, Chicago 16, Ill. 1948.

MALE, CHARLES T., Associate Professor of Civil Engineering, Union College, Schenectady, N. Y. 1943.

MALEEV, VLADIMIR L., Lecturer in Mechanical Engineering, University of Southern California, Los Angeles, Calif. 1947.

MALLETT, FRANK M., Associate Professor of Aeronautical Engineering, Ohio State University, Columbus 10, Ohio. 1944.

MALLON, ARTHUR H., Instructor in Applied Mechanics, Wentworth Institute, Boston, Mass. 1947.

MALLORY, DONALD D., Director of Engineering, Toledo Scale Co., Toledo 12, Ohio. 1941.

MALLORY, WALTER F., Professor of Mechanical Engineering, University of Colorado, Boulder, Colo. 1949.

MALMBERG, BEN O., Assistant Professor of Mechanical Engineering, Rutgers University, New Brunswick, N. J. 1948.

MALONEY, JAMES D., JR., Assistant Professor of Mechanical Engineering, University of Tennessee, Knoxville, Tenn. 1950.

MALONEY, JAMES O., Professor and Head, Dept. of Chemical Engineering, University of Kansas, Lawrence, Kans. 1946.

MALONEY, LINUS D., Instructor of English, Pratt Institute, Brooklyn, N. Y. 1948.

MANDERFIELD, NICHOLAS H., Professor and Head of Mineral Dressing, Michigan College of M. & T., Houghton, Mich. 1937.

MANGASARIAN, RICHARD D., Assistant Professor of Civil Engineering, Newark College of Engineering, Newark, N. J. 1949.

MANGNALL, DAVID H., Evening Supervisor, Newark College of Engineering, Newark, N. J. 1949.

MANIFOLD, GEORGE O., Professor of Mechanical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1948.

MANILDI, JOSEPH F., Assistant Professor of Engineering, University of California, Los Angeles, Calif. 1949.

MANN, PAUL, Associate Professor of Electrical Engineering, University of Idaho, Moscow, Idaho. 1949.

MANN, RICHARD A., Instructor in Mechanical Engineering, University of Wisconsin, Madison, Wis. 1950.

MANNING, EDWARD G., Assistant Professor of Electrical Engineering, North Carolina State College, Raleigh, N. C. 1950.

MANNING, H. L., Head, Dept. of Industrial Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1948.

MANNING, MELVIN L., Development Engineer, The Pennsylvania Transformer Co., Canonsburg, Pa. 1940.

MANNUCCIA, HERBERT, Instructor, School of Engineering and Architecture, Catholic University of America, Washington, D. C. 1949.

MANSKY, CLARENCE B., Research Associate, Ordnance Research Laboratory, Pennsylvania State College, State College, Pa. 1943.

MANSON, PHILIP W., Professor of Agricultural Engineering, University of Minnesota, St. Paul, Minn. 1947.

MANTELL, MURRAY I., Associate Professor of Civil Engineering, University of Miami, Coral Gables, Fla. 1947.

MANUEL, FRANKLIN A., Instructor in Engineering Drawing, Franklin Technical Institute, Boston, Mass. 1948.

MARA, HUBERT W., Associate Professor of Drawing and Mathematics, Norwich University, Northfield, Vt. 1939.

MARBLE, HAROLD E., Student, Educational Evaluation, Syracuse University, Syracuse 10, N. Y. 1948.

MARCH, GUY E., Professor of Mathematics, South Dakota School of M. & T., Rapid City, S. D. 1946.

MARCHANT, GUY B., Professor of Mathematics, Evansville College, Evansville, Ind. 1927.

MARCHANT, JOHN H., Chairman, Division of Engineering, Brown University, Providence, R. I. 1949.

MARCO, HERBERT F., Associate Professor of Mechanics, USAF Institute of Technology, Dayton, Ohio. 1949.

MARCO, SALVATORE M., Professor of Mechanical Engineering, The Ohio State University, Columbus, Ohio. 1937.

MARCOUX, HELIODORE A., Associate Professor of Mechanical Engineering, University of Arizona, Tucson, Arizona. 1944.

MARCUS, LEO, Instructor, Technical Institute, Purdue University, Indianapolis, Ind. 1949.

MAREK, CLARENCE T., Associate Professor of General Engineering, Purdue University, Lafayette, Ind. 1946.

MARGOSIAN, JOHN W., Senior Engineer, Radar Department, Airborne Insts. Laboratories, Brooklyn, N. Y. 1947.

MARIN, AXEL, Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1941.

MARIN, JOSEPH, Professor of Engineering Mechanics, The Pennsylvania State College, State College, Pa. *Fourth Recipient, George Westinghouse Award (1949).* 1931.

MARION, CECIL P., Instructor in Drawing, Mississippi State College, State College, Miss. 1949.

MARKLE, E. W., Professor of Electrical Engineering, A. & M. College of Texas, College Station, Texas. 1923.

MARKLEY, JAMES M., Director of Mechanics Trng., Eastern Air Lines, Inc., 3150 S.W. 19th Terrace, Miami, Fla. 1943.

MARKOWITZ, JESSE, Assistant Professor of Drafting, College of the City of New York, New York, N. Y. 1950.

MARMO, E. JOSEPH, Professor of Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1940.

MARQUIS, F. W., Professor of Mechanical Engineering, The Ohio State University, Columbus, Ohio. (*Member of Council, 1936–39.*) 1910.

MARSCHNER, F. W., Executive Assistant, New Departure Div., General Motors Corporation, Detroit, Mich. 1945.

MARSEL, CHARLES J., Associate Professor of Chemical Engineering, New York University, New York, N. Y. 1950.

MARSH, EDWARD H., II, Instructor in Civil Engineering, University of Connecticut, Storrs, Conn. 1950.

MARSH, IRA A., Instructor in Mechanical Engineering, Tulane University, New Orleans, La. 1950.

MARSH, JAMES C., Instructor in Mathematics, University of Louisville, Louisville, Ky. 1949.

MARSH, MALCOLM R., Instructor in Civil Engineering, The Rice Institute, Houston, Texas. 1945.

MARSH, R. WARREN, Instructor in Physics, New York State Institute of Applied Arts and Sciences, Buffalo, N. Y. 1949.

MARSHALL, ALPHEUS R., Professor of Industrial Management, Georgia Institute of Technology, Atlanta, Ga. 1950.

MARSHALL, DONALD M., Instructor in Mechanical Engineering, University of Connecticut, Storrs, Conn. 1949.

MARSHALL, OSCAR J., Professor of Surveying and Geodesy, University of Toronto, Toronto, Canada. 1940.

MARSHALL, ROGER P., Professor of English, North Carolina State College, Raleigh, N. C. 1948.

MARSHALL, THOMAS G., Personnel and Placement Officer, School of Engineering, Oregon State College, Corvallis, Ore. 1949.

MARSTON, GEORGE A., Dean, School of Engineering, Professor of Civil Engineering, University of Massachusetts, Amherst, Mass. 1938.

MARTEENA, J. M., Dean, School of Engineering, A. & T. College, Greensboro, N. C. 1943.

MARTHINSEN, JOHN, Instructor in Civil Engineering, Lafayette College, Easton, Pa. 1947.

MARTIN, BRUCE W., Instructor in General Engineering, Los Angeles City College, Los Angeles, Calif. 1933.

MARTIN, DEAN W., Instructor in Physics, Purdue University Extension, Indianapolis, Ind. 1949.

MARTIN, EDWIN R., Associate Professor of Electrical Engineering, University of Michigan, Ann Arbor, Mich. 1950.

MARTIN, FRANK L., Head, Department of Civil Engineering, Pennsylvania Military College, Chester, Pa. 1938.

MARTIN, GEORGE H. 1946.

MARTIN, GEORGE P., Acting Head, Dept. of Aeronautical Engineering, Lawrence Institute of Technology, Highland Park, Mich. 1948.

MARTIN, JAMES W., Professor and Head, Dept. of Agricultural Engineering, University of Idaho, Moscow, Idaho. 1946.

MARTIN, JOSEPH J., Assistant Professor of Chemical Engineering, University of Michigan, Ann Arbor, Mich. 1941.

MARTIN, PHILIP C., Director, New York State Institute of Applied Arts and Sciences, White Plains, N. Y. 1949.

MARTIN, RAYMOND L., Instructor in Electrical Engineering, University of Detroit, Detroit, Mich. 1950.

MARTIN, ROSS J., Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1947.

MARTIN, W. H., Professor of Mechanical Engineering, Oregon State College, Corvallis, Ore. 1913.

MARTIN, WILLARD J., Assistant Professor of Chemistry, South Dakota School of Mines, Rapid City, S. D. 1950.

MARTIN, WILLIAM L., Research Engineer, University of California, Los Angeles, Calif. 1950.

MARTINEZ, JOHN L., Instructor in Mechanical Engineering, Tulane University, New Orleans, La. 1950.

MARTINEZ, JOSE E., Instructor in Civil Engineering, University of New Mexico, Albuquerque, N. M. 1949.

MARTINSON, EARL P., Professor, Industrial Engineering Dept., University of Southern California, Los Angeles, Calif. 1948.

MARTON, EMERY, Instructor in Civil Engineering, Newark College of Engineering, Newark, N. J. 1949.

MARTSOLF, LOUIS G., Instructor in Architecture, Kansas State College, Manhattan, Kans. 1949.

MASLAN, FRANK, Assistant Professor of Chemical Engineering, New York University, New York, N. Y. 1949.

MASER, HAROLD T., Manager, Employee Relations Division, International General Electric Company, 570 Lexington Ave., New York, N. Y. 1950.

MASON, HIRAM R., Professor and Head, Dept. of Electrical Engineering, Southwestern Louisiana Institute, Lafayette, La. 1939.

MASON, HENRY L., Research Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1945.

MASON, HOWARD W., Professor of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1948.

MASON, J. W., Dean of Engineering, Georgia Institute of Technology, Atlanta, Ga. 1948.

MASON, PAUL M., Instructor in Engineering Drawing, Texas A. & M. College, College Station, Texas. 1947.

MASON, WENDELL E., Professor of Engineering, University of California at Los Angeles, Calif. 1939.

MASON, WILLIAM R., Instructor in Civil Engineering, University of Washington, Seattle, Wash. 1948.

MASS, MARVIN L., Assistant Professor of Civil Engineering, University of Colorado, Boulder, Colo. 1948.

MASSARI, SILVIO C., Technical Director, American Foundrymen's Society, 616 S. Michigan, Chicago, Ill. 1949.

MASSON, DAVID J., Instructor in Mechanical Engineering, The Ohio State University, Columbus, Ohio. 1948.

MASSON, DONALD L., Associate Professor and Acting Chairman, Mining and Metallurgy Depts., State College of Washington, Pullman, Wash. 1948.

MASSON, HENRY J., Assistant Dean, Graduate Division, New York University, New York, N. Y. 1935.

MASUCCI, ERNEST J., Instructor in Mechanical Engineering, New York State Institute of Applied Arts and Sciences, Utica, N. Y. 1949.

MATAR, JOSEPH E., Instructor in Mathematics, Marquette University, Milwaukee, Wis. 1949.

MATHAUSER, ELDON E., Instructor in Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1946.

MATHER, NORMAN W., Associate Professor of Electrical Engineering, Princeton University, Princeton, N. J. 1949.

MATHES, SAMUEL R., Assistant Professor of Engineering Drawing, University of Miami, Coral Gables, Fla. 1950.

MATHEWSON, CHAMPION H., Professor Emeritus of Metallurgy, Yale University, New Haven, Conn. 1921.

MATHEWSON, JOHN H., Associate Professor of Engineering, University of California at Los Angeles, Calif. 1947.

MATHIS, HAROLD F., Associate Professor of Electrical Engineering, University of Oklahoma, Norman, Okla. 1950.

MATLOCK, JOSEPH R., Associate Professor of Civil Engineering, University of Oklahoma, Norman, Okla. 1946.

MATSCH, LEANDER W., Professor of Electrical Engineering, Illinois Institute of Technology, Chicago, Ill. 1949.

MATSON, RAY M., Professor and Head, Dept. of Mechanical Engineering, Southern Methodist University, Dallas, Texas. 1937.

MATTHAEI, RICHARD, Instructor in Mining, Missouri School of Mines, Rolla, Mo. 1948.

MATTHES, GEORGE F., Professor and Head, Dept. of Mechanical Engineering, Louisiana State University, University, La. 1935.

MATTILL, JOHN I., Assistant Director of News Service, Massachusetts Institute of Technology, Cambridge, Mass. 1948.

MATTSON, DALE W., Professor and Head of Civil Engineering Dept., Tennessee Polytechnic Institute, Cookeville, Tenn. 1946.

MAUGH, LAWRENCE C., Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. 1940.

MAVIS, FREDERIC T., Professor and Head, Dept. of Civil Engineering, Carnegie Institute of Technology, Pittsburgh 13, Pa. (*Member of Council, 1948–50.*) 1929.

MAXEY, RUSSELL B., Associate Professor of Civil Engineering, University of South Carolina, Columbia, S. C. 1947.

MAXFIELD, DAVID K., Librarian, University of Illinois, Navy Pier, Chicago 11, Ill. 1943.

MAXFIELD, HAROLD A., Professor and Head, Dept. of Electrical Engineering, U. S. Naval School, General Line, Newport, R. I. 1925.

MAXSON, GEORGE R., Professor of Engineering Drawing, University of Oklahoma, Norman, Okla. 1949.

MAXWELL, ROBERT L., Assistant Professor of Mechanical Engineering, University of Tennessee, Knoxville, Tenn. 1948.

MAY, DONALD C., Mathematician, U. S. Civil Service, Bureau of Ordnance, Navy Dept., Washington, D. C. 1949.

MAY, JAMES E., 474 Maple, West Lafayette, Ind. 1946.

MAY, JAMES W., Technical Director, Air Filter Division, American Air Filter Co., Louisville, Ky. 1949.

MAY, JOHN R., Instructor in Chemical Engineering, Iowa State College, Ames, Iowa. 1950.

MAY, MARVIN C., Assistant Professor of Civil Engineering, University of New Mexico, Albuquerque, N. M. 1947.

MAYER, JOHN K., Professor of Mechanical Engineering, Tulane University, New Orleans, La. 1937.

MAYER, KURT L., Associate Professor of Physics, Worcester Polytechnic Institute, Worcester, Mass. 1948.

MAYO, SAMUEL J., Instructor in Electrical Engineering, University of Maine, Orono, Maine. 1948.

MAYROSE, HERMAN E., Professor of Engineering Mechanics, University of Detroit, Detroit 21, Mich. 1940.

MCADAMS, WILLIAM H., Professor of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1932.

MCBEE, DARWIN L., Instructor in General Engineering, South Dakota School of Mines, Rapid City, S. D. 1949.

MCCABE, BASIL, Instructor in Electrical Engineering, Lafayette College, Easton, Pa. 1950.

MCCABE, WARREN L., Vice President and Director of Research, Flintkote Co., Whippany, N. J. 1949.

MCCAIN, DEWEY M., Professor and Head, Dept. of Civil Engineering, Mississippi State College, State College, Miss. 1933.

McCallick, Hugh E., Chairman, Aeronautics Dept., University of Houston, Houston, Texas. 1950.

McCann, Franklin T., Associate Professor of English, Alabama Polytechnic Institute, Auburn, Ala. 1949.

McCann, Gilbert D., Professor of Electrical Engineering, California Institute of Technology, Pasadena, Calif. 1946.

McCarthy, James A., Associate Professor of Civil Engineering, University of Notre Dame, Notre Dame, Ind. 1939.

McCarthy, Joseph L., Associate Professor of Chemical Engineering, University of Washington, Seattle, Wash. 1949.

McCauley, Roy B., Welding Engineering Dept., Ohio State University, Columbus, Ohio. 1943.

McClain, Fred H., Professor and Chairman, Dept. of Electrical Engineering, University of Denver, Denver, Colo. 1921.

McClaren, George D., Director, Industrial Relations, The Magnavox Company, Fort Wayne, Ind. 1949.

McClarnon, John J., Instructor in Chemistry, Pratt Institute, Brooklyn, N. Y. 1950.

McClellan, Thomas J., Assistant Professor of Civil Engineering, Oregon State College, Corvallis, Ore. 1950.

McClintock, Edwin C., Associate Professor of English, University of Virginia, University, Va. 1939.

McClung, James D., Assistant Professor of Engineering Drawing and Design, University of Texas, Austin 12, Texas. 1943.

McClure, Oscar E., Associate Professor of Physics and Electrical Engineering, Ohio University, Athens, Ohio. 1937.

McCollum, Sterling A. 1947.

McColly, Howard F., Professor of Agricultural Engineering, Michigan State College, East Lansing, Mich. 1950.

McConnell, Robert K., Instructor in Mathematics, New York University, New York City. 1942.

McConnon, Myles, Associate Professor of Mathematics, Norwich University, Northfield, Vt. 1948.

McCoole, Robert F., Technical Personnel Manager, Monsanto Chemical Co., St. Louis, Mo. 1948.

McCord, Robert E., Instructor in Engineering, Pennsylvania State College, State College, Pa. 1949.

McCormack, John T., Instructor in Geology and Metallurgy, Purdue University, Lafayette, Ind. 1946.

McCormack, Ralph H., Associate Professor of Chemical Engineering, Pratt Institute, Brooklyn, N. Y. 1937.

McCormick, Frank J., Professor of Applied Mechanics, Kansas State College, Manhattan, Kans. 1948.

McCoy, James E., Professor and Head, Dept. of Chemistry and Registrar, Bluefield Junior College, Bluefield, Va. 1940.

McCready, Donald W., Associate Professor of Chemical Engineering, University of Michigan, Ann Arbor, Mich. 1943.

McCreary, Bruce C., Instructor in Mechanical Engineering, Rutgers University, New Brunswick, N. J. 1948.

McCrocklin, Andrew J., Jr., Assistant Professor of Electrical Engineering, University of Texas, Austin, Texas. 1947.

McCrumm, John D., Associate Professor of Electrical Engineering, Swarthmore College, Swarthmore, Pa. 1936.

McCuen, Glen W., Professor and Chairman, Dept. of Agricultural Engineering, The Ohio State University, Columbus, Ohio. 1943.

McCullough, Frank M., Professor Emeritus, Civil Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1910.

McCully, Harry M., Service Engineer, Clark Bros. Co., Inc., Olean, N. Y. 1948.

McCurdy, Henry B., Managing Editor and Assistant Manager, College Dept., Macmillan Company, 60 5th Avenue, New York City. 1936.

McDill, William H., Assistant Professor of Engineering, Texas Western College, El Paso, Texas. 1947.

McDonald, A. P., Assistant Professor of General Engineering, Purdue University, Lafayette, Ind. 1949.

McDonald, Clarence T. 1947.

McDonald, Frederick J., Instructor in Engineering Drawing, St. Mary's College, Winona, Minn. 1944.

McDonald, James B., Assistant Professor of Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1947.

McDonald, Paul E., Manager, Production Education and Training Dept., Service Section, General Motors Corp., Detroit, Mich. 1950.

McDonald, Raymond N., Associate Professor of Mechanical Engineering, University of New Mexico, Albuquerque, N. M. 1944.

McDonough, Edward C., Instructor in Mechanical Engineering, Institute of Applied Arts & Sciences, State University of New York, Buffalo, N. Y. 1950.

McDuffie, Roy O., Professor of Metallurgy, University of Cincinnati, Cincinnati, Ohio. 1948.

McEachron, Karl B., Jr., Manager, Technical Education Division, General Electric Co., Schenectady 5, N. Y. 1945.

McElhany, Jarvis C., Director, Education-Training Personnel, General Motors Corp., Detroit, Mich. 1949.

McElwee, Lawrence T., Coordinator, University of Detroit, Detroit, Mich. 1950.

McEnany, Mike V., Associate Professor of Electrical Engineering, The Rice Institute, Houston, Texas. 1943.

McEntyre, John G., Assistant Professor of Civil Engineering, Kansas State College, Manhattan, Kans. 1949.

McEwen, William R., Associate Professor and Head, Dept. of Mathematics, University of Minnesota, Minneapolis, Minn. 1945.

McFarlan, Harold J., Assistant Professor of Geodesy and Surveying, University of Michigan, Ann Arbor, Mich. 1941.

McFarland, James D., Professor of Drawing, University of Texas, Austin, Texas. 1938.

McFarland, Reginald A., Professor and Head, Dept. of Civil Engineering, Louisiana Polytechnic Institute, Ruston, La. 1939.

McFarlin, Frank E., Instructor in Electrical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1949.

McGarry, John F., Bechtel Corporation, San Francisco, Calif. 1950.

McGauhey, Percy H., Professor of Civil Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1946.

McGee, Florence M., Assistant Librarian, Michigan College of M. & T., Houghton, Mich. 1945.

McGehee, Edward M., Graduate Student, Linguistics, University of Chicago, 6016 Woodlawn Ave., Chicago 37, Ill. 1949.

McGivern, James G., Dean of Engineering, Gonzaga University, Spokane, Wash. 1936.

McGlashan, Donald W., Associate Research Professor, Dept. of Mineral Dressing, Montana School of Mines, Butte, Mont. 1949.

McGrady, Denton D., Assistant Professor of Chemical and Metallurgical Engineering, Michigan State College, East Lansing, Mich. 1939.

McGrail, James A., Instructor in Mathematics, University of Detroit, Detroit, Mich. 1948.

McGregor, Douglas M., President, Antioch College, Yellow Springs, Ohio. 1949.

McGuire, Carl W., Associate Professor of Economics, University of Colorado, Boulder, Colo. 1947.

McGuire, Francis X. N., President, Villanova College, Villanova, Pa. 1949.

McGuire, John G., Professor of Engineering Drawing, A. & M. College of Texas, College Station, Texas. 1939.

McGuire, Noel C., Assistant Professor of Drawing, University of Texas, Austin, Texas. 1945.

McHugh, Edward, Professor and Head, Dept. of Mechanical Engineering, Clarkson College of Technology, Potsdam, N. Y. 1947.

McIlroy, Malcolm S., Professor of Electrical Engineering, Cornell University, Ithaca, N. Y. 1937.

McIlvain, John M., Chief of Industrial Engineering Division, Atlantic Refining Co., Philadelphia, Pa. 1944.

McIlvaine, William D., Jr., Associate Professor of General Engineering, Director, Engineering Extension Service, University of Alabama, University, Ala. 1947.

McIntire, Sumner H., Associate Professor of Physics, Norwich University, Northfield, Vt. 1950.

McIntosh, W. R., Professor of Civil Engineering, University of Louisville, Louisville, Ky. 1948.

McIntosh, William G., Professor of Mechanical Engineering, University of Toronto, Toronto, Canada. 1943.

McIntyre, Harry J., Professor of Mechanical Engineering, University of Washington, Seattle, Wash. (*Member of Council, 1946–48.*) 1939.

McKean, James P., Professor of General Engineering, Iowa State College, Ames, Iowa. 1943.

McKee, Edd R., Dean, College of Technology, University of Vermont, Burlington, Vt. (*Member of Council, 1949–51.*) 1934.

McKee, Harry L., Assistant Professor of Drawing and Descriptive Geometry, Carnegie Institute of Technology, Pittsburgh, Pa. 1938.

McKee, Jack E., Associate Professor of Sanitary Engineering, California Institute of Technology, Pasadena, Calif. 1950.

McKee, Ollie G., Jr., Instructor in Mechanical Engineering, Purdue University, Lafayette, Ind. 1948.

McKee, Robert E., Instructor in Metal Processing, University of Michigan, Ann Arbor, Mich. 1946.

McKenna, Joseph V., Assistant Professor of Industrial Engineering, State University of New York, Harpus College, Endicott, N. Y. 1949.

McKenry, Nell, Assistant Secretary, Emeritus, American Society for Engineering Education, Schenley Apts., Pittsburgh 13, Pa. (*Assistant Secretary, 1918–48.*) *Life member.* 1923.

McKenzie, Otis D. 1948.

McKeon, Jesse C., Manager, University Relations, Westinghouse Electric Corporation, East Pittsburgh, Pa. (*Member of Council, 1949–51.*) 1944.

McKergow, C. M., Professor of Mechanical Engineering, Retired, McGill University, Montreal, Canada. (*Member of Council, 1927–30.*) *Life member.* 1913.

McKevitt, John, Instructor in Civil Engineering, Marquette University, Milwaukee, Wis. 1950.

McKinley, James L., Managing Director, Northrop Aeronautical Institute, 1515 E. Broadway, Hawthorne, Calif. 1948.

McKinney, James, Executive Vice President, American Technical Society, Chicago, Ill. 1943.

McKinnon, Roy A., Instructor in Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

McLaughlin, Robert B., Technician, Civil Aeronautics Administration, Anchorage, Alaska. 1950.

McLaurin, Banks, Professor of Engineering Mechanics, University of Texas, Austin, Texas. 1927.

McLean, Donald H., Lecturer in Civil Engineering, Northwestern Technological Institute, Evanston, Ill. 1947.

McLean, Lee V., Associate Professor of Electrical Engineering, Louisiana State University, Baton Rouge, La. 1948.

McLean, William G., Professor and Head, Dept. of T. & A. Mechanics, Lafayette College, Easton, Pa. 1939.

McLenegan, David W., Manager, Technical Personnel, Nucleonics Dept., General Electric Co., Richland, Wash. 1946.

McMahon, Thurmul F., Assistant Professor of Civil Engineering, University of Kansas, Lawrence, Kans.

McMillan, Claude R., Jr., Instructor in Civil Engineering, University of South Carolina, Columbia, S. C. 1946.

McMillan, Fred O., Professor and Head, Dept. of Electrical Engineering, Oregon State College, Corvallis, Ore. 1932.

McMillen, Elliott L., Professor and Head, Dept. of Chemical Engineering, Lafayette College, Easton, Pa. 1938.

McMillin, Kenneth M., Instructor in Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1949.

McMinn, Bryan T., Professor and Executive Officer, Mechanical Engineering Dept., University of Washington, Seattle, Wash. 1939.

McMurray, Orvil G., Assistant Professor of Mechanical Engineering, Michigan State College, Lansing, Mich. 1949.

McNair, Arthur J., Associate Professor and Head, Dept. of Surveying and Mapping, Cornell University, Ithaca, N. Y. 1935.

McNair, J. Stuart, Instructor in Mathematics, Canal Zone Junior College, Balboa Heights, Canal Zone. 1943.

McNeal, Xzin, Associate Professor of Agricultural Engineering, University of Arkansas, Fayetteville, Ark. 1950.

McNeary, Matthew, Professor of Engineering Drawing, University of Maine, Orono, Maine. 1937.

McNeese, Donald C., Instructor in General Engineering, University of Washington, Seattle, Wash. 1948.

McNeill, Walter H., Professor and Chairman, Dept. of Drawing, University of Texas, Austin, Texas. 1935.

McNown, John S., Associate Professor of Mechanics and Hydraulics, University of Iowa, Iowa City, Iowa. (*On Leave:* Neyrpic, Boite Postale 52, Grenoble, France.) 1946.

McNulty, Edmund B., Dean of Engineering, Seattle University, Seattle, Wash. 1950.

McPherson, Murray B., Assistant Professor of Civil Engineering, Lehigh University, Bethlehem, Pa. 1950.

McRee, Fitzhugh L., Professor of Civil Engineering, Texas Technological College, Lubbock, Texas. 1938.

McRight, Ralph B., Route No. 3, Russellville, Ala. 1948.

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Meadowcroft, Norman, Design Engineer, Guided Missile Project, Northrop Aircraft, Inc., Hawthorne, Calif. 1942.

Means, R. E., Professor of Architecture and Civil Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1947.

MEARES, JEFFERSON S., Professor, Dept. of Physics, North Carolina State College, Raleigh, N. C. 1937.

MEDLIN, JOHN W., Mech. Design Engineer, Development Group, Engineering Dept., Dow Chemical Co., Freeport, Texas. 1943.

MEDSKER, LELAND L., Director, East Campus, Contra Costa Junior College, Martinez, Calif. 1948.

MEEKER, JACK A., Instructor in Mechanical Engineering, South Dakota School of Mines, Rapid City, S. D. 1949.

MEES, ROBERT T., Technical Secretary, Research Dept., Caterpillar Tractor Co., Peoria, Ill. 1947.

MEESE, RICHARD H., Assistant Professor of Civil Engineering, University of Washington, Seattle, Wash. 1950.

MEHL, ROBERT F., Professor and Head, Dept. of Metallurgical Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1947.

MEHLENBACHER, LYLE E., Professor and Director, Dept. of Mathematics, University of Detroit, Detroit, Mich. 1948.

MEIER, EDWIN B., Assistant Professor of Civil Engineering, University of Nebraska, Lincoln, Nebr. 1946.

MEIER, OTTO, JR., Associate Professor of Electrical Engineering, Duke University, Durham, N. C. 1943.

MEIGS, HOWARD H., Associate Professor of Mechanics, University of Alabama, University, Ala. 1943.

MEIKLE, G. STANLEY, Director, Research Relations with Industry, Research Director, Purdue Research Foundation, Purdue University, Lafayette, Ind. 1947.

MELDER, FRANK S., Instructor in Mechanical Engineering, University of Washington, Seattle, Wash. 1949.

MELLOH, ARTHUR W., Vice Director, Engineering Experiment Station, A. & M. College of Texas, College Station, Texas. 1948.

MELLOW, ERNEST W., Assistant Professor of Chemical Engineering, University of Missouri, Columbia, Mo. 1949.

MELMAN, SEYMOUR, Instructor in Industrial Engineering, Columbia University, New York, N. Y. 1949.

MELOY, J. E. 1947.

MELTON, JAMES O., Instructor in Mechanics, University of Oklahoma, Norman, Okla. 1949.

MELVILLE, THOMAS J., Montello, Wis. 1947.

MELVIN, EUGENE A., Instructor in Electrical Engineering, 606 Wyanoke Ave., Baltimore 18, Md. 1950.

MELVIN, HAROLD W., Dean of Students, Northeastern University, Boston, Mass. 1932.

MEMORY, NICHOL H., Director of Admissions, Stevens Institute of Technology, Hoboken, N. J. 1936.

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MENDIOLA, ALFREDO, Director, Escuelo Nacional de Ingenieros, Lima, Peru, S. A. 1945.

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MENZEL, WILLIAM E., Head, Dept. of Civil Engineering, Lawrence Institute of Technology, Highland Park, Mich. 1948.

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MERGEN, FRANCIS C., Assistant Professor of Industrial Engineering, Bradley University, Peoria, Ill. 1950.

MERIAM, JAMES L., Associate Professor of Mechanical Engineering, University of California, Berkeley, Calif. 1945.

MERRIAM, KENNETH G., Professor of Aeromechanics, Worcester Polytechnic Institute, Worcester, Mass. *Life member.* 1925.

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MERRILL, LYNN L., Professor of Mathematics and Director of Graduate Study, Clarkson College, Potsdam, N. Y. 1948.

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MERRITT, CLARENCE W., Associate Professor of Ceramic Engineering, New York State College of Ceramics, Alfred, N. Y. 1937.

MERRITT, HAROLD W., Associate Professor of Physics, Cooper Union, New York City. 1927.

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MESSERSMITH, CHARLES W., Professor of Experimental Mechanical Engineering, Purdue University, Lafayette, Ind. 1940.

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METZ, LOUIS C., Instructor in Electrical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1948.

METZENHEIM, HENRY H., Associate Professor of Electrical Engineering, Comptroller, Newark College of Engineering, Newark, N. J. 1926.

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MICHALOWICZ, JOSEPH C., Assistant Professor of Electrical Engineering, Catholic University of America, Washington, D. C. 1944.

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MICHELSEN, ERNEST A., Assistant Professor of Mechanical Engineering, Rutgers University, New Brunswick, N. J. 1948.

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MILES, JOHN C., Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1939.

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MILLER, RICHARD W., Instructor in Industrial Engineering, New York State Agricultural and Technical Institute, Canton, N. Y. 1949.

MILLER, SHELBY A., Professor of Chemical Engineering, University of Kansas, Lawrence, Kans. 1945.

MILLER, WALLACE J., Professor of Electrical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1948.

MILLER, WALTER H., Assistant Professor of Mechanical Engineering, University of Missouri, Columbia, Mo. 1944.

MILLER, WARD M., Instructor in Applied Mathematics, Kansas State College, Manhattan, Kans. 1949.

MILLER, WILLIAM J., Professor and Head, Dept. of Electrical Engineering, University of Alabama, University, Ala. 1923.

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MILLIGAN, WILLIAM E., Associate Professor of Metallurgy, Yale University, New Haven, Conn. 1933.

MILLINGTON, HOWARD G., Assistant Professor of Mathematics, University of Vermont, Burlington, Vt. 1929.

MILLMAN, JACOB, Associate Professor of Electrical Engineering, College of the City of New York, New York, N. Y. 1942.

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MILLS, BLAKE D., Professor of Mechanical Engineering, University of Washington, Seattle, Wash. 1947.

MILLS, G. H., Assistant Professor Emeritus of Electrical Engineering, Case Institute of Technology, Cleveland, Ohio. (Home: Route No. 2, Chardon, Ohio.) 1926.

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MINER, H. READ, Assistant Professor of General Engineering, Tennessee Polytechnic Institute, Cookeville, Tenn. 1949.

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MISER, W. L., Professor and Head, Dept. of Applied Mathematics, Vanderbilt University, Nashville 4, Tenn. 1947.

MITCHELL, ERNEST E., Instructor in Engineering Drawing, Pasadena City College, Pasadena, Calif. 1946.

MITCHELL, FRED T., President, Mississippi State College, State College, Miss. 1949.

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MITCHELL, LOUIS, Dean, College of Applied Science, Syracuse University, Syracuse 10, N. Y. (*Member of Council, 1938–41.*) 1913.

MITCHELL, ROBERT I., Assistant Director of Evening Studies, University of Dayton, Dayton, Ohio. 1949.

MITCHELL, WARREN I., Assistant Professor of Civil Engineering, South Dakota School of Mines, Rapid City, S. D. 1947.

MITCHELL, WILLIAM H., Vice President and Manager, College Department, T. Y. Crowell Co., 432 Fourth Ave., New York 16, N. Y. 1943.

MITCHELL, WILLIAM L., Dean of Men, Head, Dept. of Mechanical Engineering, Louisiana Polytechnic Institute, Ruston, La. 1939.

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MITTENDORF, EDWARD M., Consulting Engineer, E. M. Mittendorf and Assoc., Shipman, Va. 1949.

MITTET, HOLGER P., Assistant Professor of Civil Engineering, University of Washington, Seattle, Wash. 1946.

MOBLEY, CHARLES A., JR., Program Development, General Motors Institute, Flint, Mich. 1948.

MOCHEL, MYRON G., Associate Professor of Mechanical Engineering, Clarkson College of Technology, Potsdam, N. Y. 1943.

MOCK, CLIFTON O., Associate Professor of Drawing, University of Kentucky, Lexington, Ky. 1929.

MOCKMORE, CHARLES A., Professor and Head, Dept. of Civil Engineering, Oregon State College, Corvallis, Ore. (*Member of Council, 1938–41.*) 1927.

MOEBIUS, CHARLES M., College of Engineering, University of Arizona, Tucson, Ariz. 1948.

MOELLER, ARTHUR C., Instructor in Mathematics, Marquette University, Milwaukee, Wis. 1946.

MOELLER, CLIFFORD M., 1859 Platt, Manhattan, Kans. 1950.

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MOENCH, HERMAN A., Associate Professor of Electrical Engineering, Rose Polytechnic Institute, Terre Haute, Ind. 1934.

MOESEL, F. CHARLES, Assistant Professor of Chemical and Metallurgical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

MOFFAT, GEORGE N., Professor of Mechanical Engineering, The Ohio State University, Columbus 10, Ohio. 1925.

MOHN, PAUL E., Dean, School of Engineering, and Head, Dept. of Mechanical Engineering, University of Buffalo, Buffalo 14, N. Y. 1947.

MOLD, HOWARD P., Industrial Relations Dept., Mead Corp., Kingsport, Tenn. 1947.

MOLINA, EDWARD C., Special Lecturer in Mathematics, Newark College of Engineering, 141 Dodd St., E. Orange, N. J. 1947.

MOLSTAD, MELVIN C., Professor of Chemical Engineering, University of Pennsylvania, Philadelphia 4, Pa. 1937.

MOLTRECHT, KARL E. H., Instructor in Mechanical Engineering, University of Washington, Seattle, Wash. 1950.

MONDSCHEIN, JULIUS, Instructor in Civil Engineering, Union College, Schenectady, N. Y. 1949.

MONGAN, EDWIN L., JR., Instructor in Chemical Engineering, University of Cincinnati, Cincinnati, Ohio. 1948.

MONK, CLARENCE B., JR., Instructor in Civil Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.

MONOHON, PAUL J., Instructor in Civil Engineering, University of Detroit, Detroit, Mich. 1948.

MONRAD, CARL C., Professor and Head, Chemical Engineering, Department, Carnegie Institute of Technology, Pittsburgh, Pa. 1948.

MONROE, LAWRENCE S., Instructor in Engineering Drawing, University of Louisville, Louisville, Ky. 1949.

MONROE, ROBERT E., Mgr., Eastern District, College Dept., McGraw-Hill Book Co., Inc., New York, N. Y. 1950.

MONTEITH, ALEXANDER C., Vice President, Engineering Department, Westinghouse Electric Corp., Pittsburgh 30, Pa. 1945.

MONTILLON, GEORGE H., Process Development Engineer, Carbon & Carbide Chemical Corp., Oak Ridge, Tenn. 1925.

MONTONNA, RALPH E., Director, Engineering Experiment Station, University of Minnesota, Minneapolis 14, Minn. 1945.

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MOODY, ARTHUR M. G., Chief Blower Engineer, Elliott Co., Jeannette, Pa. 1936.

MOODY, LEWIS F., Professor of Hydraulic Engineering, Emeritus, Princeton University, Princeton, N. J. 1912.

MOONEY, COLUMBUS V., Associate Professor of Engineering, Texas College of A. & I., Kingsville, Texas. 1948.

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MOORE, BILL C., Associate Professor of Mathematics, Texas A. & M. College, College Station, Texas. 1948.

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MOORE, EMMETT B., Professor and Head, Dept. of Civil Engineering, State College of Washington, Pullman, Wash. 1936.

MOORE, HARRY D., Associate Professor of Industrial Engineering, Ohio State University, Columbus, Ohio. 1947.

MOORE, HOLLISTER, Staff Representative, Student Activities, Society of Automotive Engineers, Inc., 351 Morris Ave., Mountain Lakes, N. J. 1944.

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MOORE, JOSEPH E., Professor and Head of Psychology Dept., Georgia Institute of Technology, Atlanta, Ga. 1949.

MOORE, JOSEPH H., Assistant Professor of Civil Engineering, Pennsylvania State College, State College, Pa. 1948.

MOORE, KENNETH H., Professor of Physics, Rensselaer Polytechnic Institute, Troy, N. Y. 1944.

MOORE, MARK B., Associate Professor of Mechanical Engineering, Rutgers University, New Brunswick, N. J. 1938.

MOORE, RICHARD K., Research Associate in Electrical Engineering, Cornell University, Ithaca, N. Y. 1948.

MOORE, ROBERT F., Consultant, Rogers & Slade, 342 Madison Ave., New York City. 1944.

MOORE, ROBERT J., Instructor in Drawing and Descriptive Geometry, University of Minnesota, Minneapolis, Minn. 1949.

MOORE, ROLAND C., Assistant Professor of Psychology, Carnegie Institute of Technology, Pittsburgh, Pa. 1947.

MOORE, TOM E. 1948.

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MORELOCK, MOLETE J., Librarian in Charge of Engineering Library, University of Missouri, Columbia, Mo. 1950.

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MORGAN, JESSE P., Assistant Professor of Mechanical Engineering, New Mexico College of A. & M., State College, N. M. 1950.

MORGAN, JOHN C., Associate Professor of Chemical Engineering, Northeastern University, Boston, Mass. 1940.

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MULLINS, B. F. K. 1938.

MUMFORD, ALBERT R., Dev. Engr., Engineering Research, Combustion Engineering Superheater, Inc., New York 16, N. Y. 1949.

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NELSON, ALFRED L., Professor and Chairman, Dept. of Mathematics, Wayne University, Detroit, Mich. 1939.

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NELSON, GEORGE L., Assistant Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1950.

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NUTT, GEORGE B., Head, Agricultural Engineering Dept., The Clemson Agricultural College, Clemson, S. C. 1949.

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NYERGES, GILBERT A., Instructor in Drawing, Case Institute of Technology, Cleveland, Ohio. 1948.

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OBRECHT, MALVERN F., Assistant Professor of Chemical Engineering, Michigan State College, East Lansing, Mich. 1946.

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O'BRIEN, FRANCIS R., Southern Research Institute, 917 S. 20th St., Birmingham, Ala. 1948.

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OJALVO, MORRIS S., Assistant Professor of Mechanical Engineering, University of Maryland, College Park, Md. 1949.

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PAIGE, ARLIE E., Associate Professor of Electrical Engineering, University of Denver, Denver, Colo. 1948.

PAINE, ELLERY B., Professor Emeritus of Electrical Engineering, University of Illinois, 606 Pennsylvania Avenue, Urbana, Ill. 1911.

PAINTER, ROBERT J., Assistant Secretary, American Society for Testing Materials, Philadelphia 3, Pa. 1941.

PALEVSKY, GERALD, Instructor in Civil Engineering, New York University, New York, N. Y. 1949.

PALMER, AUBREY E., Assistant Professor of Civil Engineering, Duke University, Durham, N. C. 1946.

PALMER, DELOS M., Director, Delos M. Palmer & Associates, Toledo 12, Ohio. 1933.

PALMER, HARLAN B., Professor of Electrical Engineering, University of Colorado, Boulder, Colo. 1939.

PALMER, HERALD K., Assistant Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1930.

PALMER, LEWIS G., Assistant Professor of Drawing, University of Minnesota, Minneapolis, Minn. 1945.

PALMER, ROBERT K., Assistant Professor in Civil Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1947.

PALMER, STANLEY G., Dean, Engineering College, University of Nevada, Reno, Nev. 1937.

PALMER, THEODORE P., Associate Professor of Mathematics, Rose Polytechnic Institute, Terre Haute, Ind. 1949.

PALMERLEE, ALBERT S., Associate Professor and Chairman, Department of Engineering Drawing, University of Kansas, Lawrence, Kans. 1946.

PALMERTON, LEIGHTON R., Director of Student Personnel, South Dakota School of Mines, Rapid City, S. D. 1940.

PALSGROVE, GRANT K., Professor of Mechanical and Hydraulic Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. (*Member of Council, 1946–49.*) 1918.

PANANIDES, NICHOLAS A., Instructor in Mathematics and Engineering, Bakersfield Junior College, Bakersfield, Calif. 1947.

PANKRANTZ, GEORGE E., Assistant Professor of Engineering Drawing, University of Toledo, Toledo, Ohio. 1946.
Relations, Assistant Professor of Mechanical Engineering, Marquette University, Milwaukee, Wis. 1946.

PANLENER, RICHARD J., Director of Industrial Relations, Assistant Professor of Mechanical Engineering, Marquette University, Milwaukee, Wis. 1946.

PANTON, HARRY A., Instructor in Mathematics, New York State Institute of Applied Arts and Sciences, Buffalo, N. Y. 1949.

PANUSKA, FRANK C., Administrative Assistant, Stuyvesant High School, New York, N. Y. 1937.

PARCHEM, JOHN A., Assistant Professor of Aeronautical Engineering, University of Notre Dame, Notre Dame, Ind. (On Leave: Willow Run Supersonic Wind Tunnel, University of Michigan, Detroit, Mich.) 1948.

PARDUE, LOUIS A., Vice President, Virginia Polytechnic Institute, Blacksburg, Va. 1949.

PARÉ, EUGENE G., Associate Professor of Technical Drawing, and Assistant Dean of Students, Illinois Institute of Technology, Chicago, Ill. 1943.

PARHAM, GUY H., JR., Assistant Professor of Drawing, University of Tennessee, Knoxville, Tenn. 1949.

PARK, C. W., Professor of English, Emeritus, University of Cincinnati, Cincinnati, Ohio. (*Member of Council, 1932–35.*) *Life member.* 1915.

PARK, FORD R., Assistant Professor of Engineering Drawing, University of Buffalo, Buffalo, N. Y. 1949.

PARK, H. V., Associate Professor of Mathematics, North Carolina State College, Raleigh, N. C. 1938.

PARK, JOHN C., Professor of Highway Engineering, University of Arizona, Tucson, Ariz. 1931.

PARKE, EDWARD C., JR., Head of Physics, Reedley College, Reedley, Calif. 1947.

PARKER, BEN H., Vice President, The Frontier Refining Co., P. O. Box 508, Golden, Colo. 1946.

PARKER, EDMOND M., Assistant Professor of Engineering, Centenary College of Louisiana, Shreveport, La. 1948.

PARKER, EDWARD M., 2610 44th St., N.W., Washington, D. C. 1947.

PARKER, EDWIN F., Editorial Assistant, Dean's Office, Oklahoma A. & M. College, Stillwater, Okla. 1950.

PARKER, ERI B., Director, Division of Industrial Research, State College of Washington, Pullman, Wash. 1926.

PARKER, J. C., Vice President, Retired, Consolidated Edison Co. of New York, 4 Irving Place, New York City. *Life member.* 1916.

PARKER, JOHN, Instructor in Mechanical Engineering, University of Connecticut, Storrs, Conn. 1949.

PARKER, MERTON C., Instructor in Electrical Engineering, University of Portland, Portland, Ore. 1949.

PARKER, NORMAN A., Professor and Head, Dept. of Mechanical Engineering, University of Illinois, Urbana, Ill. 1941.

PARKER, VERNON C., Instructor in Engineering Drawing and Machine Design, University of Colorado, Boulder, Colo. 1947.

PARKER, WILLIAM A., Head, Physics, Presbyterian Jr. College, Maxton, N. C. 1947.

PARKINSON, HAROLD N., Instructor in General Engineering, Oregon State College, Corvallis, Ore. 1947.

PARKINSON, LESLIE R., Professor of Aeronautical Engineering & Head, Mechanical Engineering Dept., Syracuse University, Syracuse, N. Y. 1937.

PARKINSON, RICHARD W., Instructor in Engineering Drawing, Ohio State University, Columbus, Ohio. 1950.

PARKS, WILBUR H., Chairman, Dept. of Mechanical Engineering, University of Denver, Denver, Colo. 1942.

PARR, JEROME H., Chairman, Dept. of Mechanical Engineering, University of Dayton, Dayton, Ohio. 1947.

PARR, KENNETH E., Instructor in General Engineering, Purdue University, Lafayette, Ind. 1946.

PARROTT, ALICE A., Graduate Adviser and Professor of Mathematics, Tri-State College, Angola, Ind. 1932.

PARRY, SAMUEL R., Assistant General Manager, Chattanooga Division, Combustion Engineering—Superheater, Inc., Chattanooga, Tenn. 1949.

PARSONS, ARTHUR B., Consulting Mining Engineer, 6091 Castle Drive, Oakland 11, Calif. 1939.

PARSONS, KENNETH L., Associate Professor of Electrical Engineering, University of Maine, Orono, Maine. 1947.

PARTLO, F. L., Dean, Michigan College of M. & T., Houghton, Mich. 1939.

PASEK, J. EDWIN, Manager, Industrial Div., Prentice Hall, Inc., Fifth Ave., New York 11, N. Y. 1945.

PASQUA, PIETRO F., Instructor in Mechanical Engineering, Northwestern University, Evanston, Ill. 1949.

PATRICK, RICHARD L., Assistant Professor of Agricultural Engineering, A. & M. College of Texas, College Station, Texas. 1947.

PATTEN, W. E., Hydrologist, Soil Conservation Service, U. S. Dept. Agriculture, Spartansburg, S. C. (Home: 1304 Maine St., South Boston, Va.) 1915.

PATTERSON, L. L., Dean Emeritus of Engineering, Mississippi State College, State College, Miss. *Life member.* 1915.

PATTERSON, STANLEY, Instructor in Mechanical Engineering, Supt. Building and Grounds, Southern Methodist University, Dallas, Texas. 1940.

PATTISON, FLOYD, Professor of Mechanical Engineering, Extension Division, Kansas State College, Manhattan, Kans. 1934.

PATTISON, ROBERT, Head, Engineering and Building Dept., South East Essex Technical College, Dagenham, Essex, England. 1945.

PAUL, ARTHUR N., Associate Professor of Mechanical Engineering, University of Kansas, Lawrence, Kans. 1947.

PAUL, C. E., Professor Emeritus of Mechanics, Illinois Institute of Technology, Chicago, Ill. (249 4th Ave., North St. Petersburg 4, Fla.) *Life member.* 1907.

PAUL, EDWIN W., Associate Professor of Economics, University of Louisville, Louisville, Ky. 1943.

PAUL, GEORGE T., Assistant Professor of Chemical Engineering, Princeton University, Princeton, N. J. 1948.

PAUL, GERALD W., Instructor in Drawing, Rochester Jr. College, Rochester, Minn. 1948.

PAUL, RAYMOND F., Instructor in Applied Mechanics, Iowa State College, Ames, Iowa. 1950.

PAUL, RALPH L., Instructor in Engineering Drawing, Michigan State College, East Lansing, Mich. 1950.

PAUL, WM. HOWARD, Professor of Mechanical Engineering, Oregon State College, Corvallis, Ore. 1945.

PAULI, ROSS I., Instructor in Machine Design, Kansas State College, Manhattan, Kans. 1947.

PAULSEN, FRIDTJOF, Instructor in Mathematics and Engineering, San Mateo Junior College, San Mateo, Calif. 1935.

PAUSTIAN, JOHN H., Instructor in Mechanical Engineering, University of Nebraska, Lincoln, Nebr. 1949.

PAUW, ADRIAN, Assistant Professor of Civil Engineering, The Rice Institute, Houston, Tex. 1949.

PAYNE, ALBERT V., Head, Technical Dept., New York State Institute of Applied Arts and Sciences, Utica, N. Y. 1949.

PAYNTEE, THOMAS E., Associate Professor of Electrical Engineering, Colorado School of Mines, Golden, Colo. 1947.

PEACOCK, DONALD E., Instructor, Institute of Applied Arts & Sciences, New York State University, Buffalo, N. Y. 1950.

PEARCE, CLINTON E., Professor and Head, Dept. of Machine Design, Kansas State College, Manhattan, Kans. 1937.

PEARCE, F. W., Head, Dept. of General Engineering, Northern Montana College, Havre, Mont. 1938.

PEARL, WILLIAM A., Professor and Head, Mechanical Engineering, Director, Institute of Technology, Washington State College, Pullman, Wash. 1935.

PEARSON, DONALD S., Associate Professor of Electrical Engineering, Pennsylvania State College, State College, Pa. 1939.

PEARSON, JOHN E., Associate Professor of General Engineering Drawing, University of Illinois, Urbana, Ill. 1942.

PEARSON, JOHN R., Associate Dean of Engineering, Robert College, Bebek P. K. 8, Istanbul, Turkey. 1945.

PEARSON, PAUL B., Acting Chief, Biology Branch, Division of Biology and Medicine, Atomic Energy Commission, Washington, D. C. 1949.

PEARSON, SVEN I., Assistant Professor of Electrical Engineering, University of Colorado, Boulder, Colo. 1948.

PEASE, EDWARD M. J., Professor and Head, Dept. of Mathematics and Electrical Engineering, Rhode Island State College, Kingston, R. I. 1937.

PECK, JOHN S., Associate Professor of Civil Engineering, Director, Materials Testing Lab., College of City of New York, New York, N. Y. 1931.

PECK, RALPH E., Professor of Chemical Engineering, Illinois Institute of Technology, Chicago, Ill. 1941.

PEEBLES, JAMES C., Dean Emeritus, Illinois Institute of Technology, Chicago, Ill. 1927.

PEEBLES, JAMES H., Assistant Professor of Mechanical Engineering, Tulane University, New Orleans, La. 1948.

PEER, CHARLES F., Instructor in Mechanical Engineering, West Virginia University, Morgantown, W. Va. 1948.

PEERY, DAVID J., Professor and Head, Dept. of Aeronautical Engineering, The Pennsylvania State College, State College, Pa. 1938.

PEET, J. C., Acting Professor of Electrical Engineering, University of Florida, Gainesville, Fla. 1923.

PEGADO, HENRIQUE, Director, Escola de Engenharia, Instituto MacKenzie, Sao Paulo, Brazil S. A. 1943.

PEGRAM, GEORGE B., Professor of Physics and Dean, Graduate Faculties, Columbia University, New York, N. Y. (*President, 1925–26; Vice President, 1924–25; Member of Council, 1924–46.*) 1918.

PEIKERT, FRANK W., Professor and Head, Agricultural Engineering, University of Maine, Orono, Maine. 1950.

PEIRCE, CARROLL J., Director, School of Aviation, Ohio State University, Columbus, Ohio. 1948.

PEIRCE, EUGENE W., Sandia Base, Albuquerque, N. M. 1947.

PEIRCE, GEORGE R., Associate Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1939.

PEIRCE, GILBERT H., JR., Instructor in Mathematics, Marquette University, Milwaukee, Wis. 1950.

PEKARSKY, ABRAHAM L., Instructor in Civil Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1948.

PELAN, BYRON J., Instructor in Mechanical Engineering, Lafayette College, Easton, Pa. 1949.

PELLER, CHARLES G., Assistant Professor of Civil Engineering, Valparaiso University, Valparaiso, Ind. 1947.

PELLETIER, CHARLES J., Instructor in Civil Engineering, University of Connecticut, Storrs, Conn. 1948.

PEÑA ISIDRO R., Associate Professor of Chemical Engineering, University of Puerto Rico, Mayaguez, P. R. 1948.

PENCE, RAYMOND V., Professor of English, University of Notre Dame, Notre Dame, Ind. 1949.

PENDER, HAROLD, Retired, Dean, Moore School of Electrical Engineering, University of Pennsylvania, Philadelphia, Pa. (*Member of Council, 1924–27.*) *Life member.* 1909.

PENDERGAST, MICHAEL S., JR., Instructor in Electrical Engineering, Southwestern Louisiana Institute, Lafayette, La. 1947.

PENICK, JOHN M., Associate Professor of Industrial Engineering, Texas Technological College, Lubbock, Texas. 1946.

PENN, JOHN C., Retired, Professor of Civil Engineering, Illinois Institute of Technology, Chicago 16, Ill. *Life member.* 1915.

PENNEY, DWIGHT L., Instructor in Engineering Drawing, Fenn College, Cleveland, Ohio. 1948.

PENNEY, GAYLORD W., George Westinghouse Professor of Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1947.

PENROSE, CHARLES, Librarian, Clarkson College of Technology, Potsdam, N. Y. 1948.

PEPPER, PAUL M., Associate Professor of Industrial Engineering, Ohio State University, Columbus, Ohio. 1950.

PEREIRA, DULCIDIO, Professor Emeritus of Physics, Universidad do Brazil, Rio de Janeiro, Brazil, S. A. (Home: General Electric S. A., Caixa Postal 109, Brazil, S. A.) 1943.

PEREIRA, OCTAVIO M., Rector, Universidad Nacional de Panama, Ancon, Panama, Rep. of Panama. 1943.

PERETTI, ETTORE A., Professor of Metallurgy, University of Notre Dame, Notre Dame, Ind. 1944.

PEREZ, LAWRENCE, Professor of Civil Engineering, The Pennsylvania State College, State College, Pa. 1933.

PERKINS, DONALD L., Professor and Head, Dept. of Mechanical Engineering, Wayne University, Detroit, Mich. 1930.

PERKINS, HAROLD C., Associate Professor of Mechanics, Cornell University, Ithaca, N. Y. 1934.

PERKINS, ROY B., Assistant Professor of Drawing, University of Illinois, Navy Pier, Chicago, Ill. 1947.

PERLMAN, ALFRED E., General Operating Manager, The Denver & Rio Grande Western Railway Co., Denver, Colo. 1948.

PERNA, ANGELO J., Head, Structural Research, Pullman Standard Car Mfg. Co., Hammond, Ind. 1949.

PERRIN, JOHN G., Instructor in Engineering, Trinity College, Hartford, Conn. 1949.

PERRINE, J. HAROLD, Admin. Asst., Research and Dev. Dept., Sun Oil Company, Marcus Hook, Pa. 1949.

PERRY, IRVING D., Instructor in Electrical Engineering, N. Y. State Institute of Applied Arts and Sciences, White Plains, N. Y. (Home: Honeoye Falls, N. Y.) 1950.

PERRY, J. H., Development Department, E2, duPont de Nemours & Co., Wilmington, Del. 1939.

PERRY, JOHN E., Associate Professor of Railroad Engineering, Cornell University, Ithaca, N. Y. 1922.

PERRY, RAYMOND J., Professor of Chemistry, U. S. Coast Guard Academy, New London, Conn. 1949.

PERRY, WILLIAM H., in charge of Preparatory Dept., Franklin Technical Institute, Boston, Mass. 1947.

PERRYMAN, CONNER C., Professor of Industrial Engineering and Engineering Drawing, Texas Technological College, Lubbock, Texas. 1938.

PERSON, H. T., Dean, College of Engineering, University of Wyoming, Laramie, Wyo. 1932.

PESKIN, BERNARD A., Instructor in Mechanical Engineering, University of Illinois, Urbana, Ill. 1950.

PETER, WILLIAM G., Instructor in Mechanical Engineering, Arkansas State College, State College, Ark. 1950.

PETERSEN, JOHN H., Assistant Professor of Machine Design, Cooper Union, New York City. 1947.

PETERSON, ALDOR C., Assistant Professor of Theoretical and Applied Mechanics, Iowa State College, Ames, Iowa. 1939.

PETERSON, DEAN F., JR., Associate Professor and Head, Dept. of Civil Engineering, Colorado A. & M. College, Fort Collins, Colo. 1949.

PETERSON, GEORGE E., Associate Professor of Mechanical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1947.

PETERSON, HAROLD A., Professor and Chairman, Dept. of Electrical Engineering, University of Wisconsin, Madison, Wis. 1947.

PETERSON, J. MERRIAM, Associate Professor of Chemical Engineering, Cooper Union, New York, N. Y. 1948.

PETERSON, MASON M., Associate Professor of Electrical Engineering, West Virginia University, Morgantown, W. Va. 1945.

PETERSON, WALTER E., Teacher in Physical Science, Herzl Junior College, 3711 Douglas Blvd., Chicago 23, Ill. 1947.

PETERSON, WILLIAM M., Associate Professor of Civil Engineering, Arlington State College, Arlington, Texas. 1947.

PETRIE, GEORGE W., III, International Business Machines Corp., 230 S. 15th St., Philadelphia 2, Pa. 1938.

PETRIE, JOHN M., Professor of Chemical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1937.

PETRIE, RAYMOND W., Assistant Professor of Mechanical Engineering, University of Bridgeport, Bridgeport, Conn. 1947.

PETRY, WILLIAM M., Associate Professor of Mechanical Engineering, University of Akron, Akron, Ohio. 1946.

PETTIT, JOSEPH M., Associate Professor of Electrical Engineering, Stanford University, Stanford University, Calif. 1940.

PETTY, BEN. H., Professor of Highway Engineering, Purdue University, Lafayette, Ind. 1925.

PETTY, ELMER E., Professor & Head, Drafting Dept., Milwaukee School of Engineering, Milwaukee, Wis. 1949.

PETTYJOHN, ELMORE S., Director, Institute of Gas Technology, Chicago, Ill. 1939.

PEURIFOY, ROBERT L., Professor of Construction Engineering, A. & M. College of Texas, College Station, Texas. 1931.

PFEIL, EDWIN A., Instructor of Engineering Drawing, Fenn College, Cleveland, Ohio. 1948.

PFISTER, PHILIP C., Tutor in Mechanical Engineering, College of the City of New York, New York City. 1948.

PFLUG, IRVING J., Assistant Professor of Agr. Engineering, University of Massachusetts, Amherst, Mass. 1949.

PHELAN, RICHARD M., Assistant Professor of Machine Design, Cornell University, Ithaca, N. Y. 1948.

PHELPS, CHARLES W., Instructor in Mechanical Engineering, Yale University, New Haven, Conn. 1936.

PHELPS, GEORGE M., Instructor in Aeronautical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

PHELPS, GEORGE O., Assistant Professor of Electrical Engineering, University of Florida, Gainesville, Fla. 1937.

PHELPS, ROBERT T., Associate Professor of Chemistry, Colorado School of Mines, Golden, Colo. 1943.

PHILBRICK, WARREN W., Assistant Professor of Mechanical Engineering, University of Washington, Seattle, Wash. 1949.

PHILLIPS, ARTHUR, Professor of Metallurgy, Yale University, New Haven, Conn. 1937.

PHILLIPS, AUBREY W., General Manager of Manufacturing, The General Tire & Rubber Company, Akron, Ohio. 1949.

PHILLIPS, EDWARD B., Head, Dept. of Engineering Drawing, Champlain College, Plattsburg. (Home: 10 Hamilton St., Potsdam, N. Y.) 1947.

PHILLIPS, JOHN B., Professor of Chemical Engineering, McGill University, Montreal 2, Canada. 1931.

PHILPOT, CLAUDE P., Associate Professor of Electrical Engineering, Tennessee Polytechnic Institute, Cookeville, Tenn. 1947.

PICCARD, JEAN F., Professor of Aeronautical Engineering, University of Minnesota, Minneapolis, Minn. 1945.

PICKETT, GERALD, Professor of Applied Mechanics, Kansas State College, Manhattan, Kans. 1948.

PIDCOCK, ROBERT E., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

PIERCE, DONALD N., Instructor in Engineering Mechanics, University of Nebraska, Lincoln, Nebr. 1950.

PIERCE, GEORGE O., Associate Professor, School of Public Health, University of Minnesota, Minneapolis, Minn. 1949.

PIERCE, STANLEY H., Assistant Dean, College of Engineering, Associate Professor of General Engineering Drawing, University of Illinois, Urbana, Ill. 1937.

PIETENPOL, WILLIAM B., Professor and Head, Dept. of Physics, University of Colorado, Boulder, Colo. 1942.

PIFER, DRURY A., Professor of Mineral Engineering, University of Washington, Seattle, Wash. 1950.

PIGAGE, LEO O., Associate Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1939.

PIGFORD, ROBERT L., Professor and Head, Chemical Engineering Department, University of Delaware, Newark, Del. 1948.

PIKE, FREDERICK P., Associate Professor of Chemical Engineering, North Carolina State College, Raleigh, N. C. 1947.

PILCH, MEIR, Research Fellow, Department of Hydraulics, University of Minnesota, Minneapolis, Minn. 1944.

PILLET, FRED F., Professor and Head of Civil Engineering, Louisiana State University, University, La. 1948.

PILLON, RAYMOND A., Coordinator, University of Detroit, Detroit 21, Mich. 1948.

PILLSBURY, ARTHUR F., Associate Professor of Agriculture, University of California, Los Angeles, Calif. 1949.

PINCHES, MARY F., Supervising Librarian, Case Institute of Technology, Cleveland, Ohio. 1948.

PINGER, ROLAND W., Lecturer in Mechanical Engineering, University of California, Berkeley, Calif. 1950.

PINKERTON, ROBERT M., Aeronautical Research Scientist, National Advisory Committee for Aeronautics, Langley Field, Va. 1943.

PIPER, FRED F., Chairman, Department of Physics, Clarkson College of Technology, Potsdam, N. Y. 1915.

PIPER, HARRY W., Assistant Professor of Civil Engineering, University of Maryland, College Park, Md. 1948.

PIPPARD, ALFRED J. S., Professor of Civil Engineering, Imperial College of Science and Technology, London, S.W. 7, England. 1947.

PISTRANG, JOSEPH, Lecturer in Civil Engineering, College of the City of New York, New York, N. Y. 1948.

PITKIN, EMERSON S. B., Assistant Professor of Mathematics, Champlain College, Plattsburg, N. Y. 1947.

PITMAN, JAMES H., Chairman, English Dept. (Humanistic Div.), Newark College of Engineering, Newark, N. J. 1945.

PITTS, ROBERT G., Professor and Head, Dept. of Aeronautical Engineering, Alabama Polytechnic Institute, Auburn, Ala. 1938.

PLANCK, IVAN A., Professor and Head, Dept. of Mechanical Engineering, Indiana Technical College, Ft. Wayne, Ind. 1943.

PLANK, WILLIAM B., Head, Dept. of Mining and Metallurgical Engineering, Lafayette College, Easton, Pa. (*Member of Council, 1938–41, 1946–48.*) 1921.

PLANT, L. C., Professor, Retired, of Mathematics, Michigan State College, East Lansing, Mich. 1913.

PLATT, WASHINGTON, Professor and Head, Retired (168 Westminster Ave., Syracuse, N. Y.), Dept. of Administrative Engineering, Syracuse University, Syracuse 10, N. Y. 1946.

PLEHN, BRAINERD, Assistant Professor of Engineering, University of Santa Clara, Santa Clara, Calif. 1949.

PLENGEY, WILLIAM D., Instructor in Electrical Engineering, North Carolina State College, Raleigh, N. C. 1950.

PLETTA, DAN H., Professor and Head, Dept. of Applied Mechanics, Virginia Polytechnic Institute, Blacksburg, Va. 1932.

PLEUTHNER, RICHARD L., Assistant Professor of Engineering Mechanics, University of Buffalo, Buffalo, N. Y. 1950.

PLOCK, HENRY, Associate Professor of Engineering Drawing, College of the City of New York, N. Y. 1940.

PLUMMER, FRED L., Director of Engineering, Hammond Iron Works, Warren, Pa. 1930.

PLUMTREE, WILLIAM G., Assistant Professor of Engineering Mechanics, New York University, New York, N. Y. 1949.

PLUNKETT, ROBERT, Assistant Professor of Mechanical Engineering, The Rice Insitute, Houston, Tex.

POERSCHKE, WERNER H., Instructor in Engineering, University of Houston, Houston, Texas. 1950.

POHLE, FREDERICK V., Research Associate, Mathematics Dept., New York University Institute for Math. & Mech., New York, N. Y. 1943.

POLANER, JEROME L., Assistant Professor of Mechanical Engineering & Executive Associate, Newark College of Engineering, Newark, N. J. 1941.

POLCYN, STEPHEN J., Instructor in Electrical Engineering, New York University, New York 53, N. Y. 1947.

POLENTZ, LLOYD M., Lecturer in Engineering, University of California, Los Angeles, Calif. 2233 McGee, Berkeley, Calif. 1949.

POLK, ORVAL H., Associate Professor of Electrical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1946.

POLKINGHORNE, WILFRID C., Professor and Head, Dept. of Civil Engineering, Michigan College of M. & T., Houghton, Mich. 1939.

POLLACK, SIDNEY J., Lecturer in the Mechanical Engineering Dept., College of the City of New York, New York, N. Y. 1949.

POLLARD, NEITH J. 1947.

POLLARD, ROBERT Q., Instructor in Electrical Engineering, University of Rochester, Rochester, N. Y. 1950.

POLLICK, HUBERT J., Instructor in Engineering, Kilgore Junior College, Kilgore, Texas. 1947.

POMEROY, GEORGE A., Instructor in Physics, San Mateo Junior College, San Mateo, Calif. 1941.

POOR, JEANETTE, Librarian, College of Engineering, Cornell University, Ithaca, N. Y. 1946.

POOR, RUSSELL S., Chairman, University Relations Division, Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn. 1949.

POORMAN, ALFRED P., Professor Emeritus of Engineering Mechanics, Purdue University, Lafayette, Ind. (*Member of Council, 1932–35.*) 1907.

POPE, LATHROP C., Associate Professor of Civil Engineering, College of the City of New York, New York City. 1937.

POPEJOY, TOM L., President, University of New Mexico, Albuquerque, N. M. 1949.

POPOV, EGOR P., Associate Professor of Civil Engineering, University of California, Berkeley, Calif. 1947.

POPOVICH, MILOSH, Associate Professor of Mechanical Engineering, Oregon State College, Corvallis, Ore. 1948.

PORSCH, J. HOWARD, Professor and Chairman, Dept. of Drawing and Descriptive Geometry, Purdue University, Lafayette, Ind. 1929.

PORTER, DAVID B., Professor of Industrial Engineering, New York University, New York City. 1923.

PORTER, FRANCIS M., Professor Emeritus of General Engineering Drawing, University of Illinois, Urbana, Ill. *Life Member.* 1912.

PORTER, GEORGE M., Associate Professor of Electrical Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1941.

PORTER, JAMES M., JR., Professor of Psychology, Rensselaer Polytechnic Institute, Troy, N. Y. 1943.

PORTER, NORMAN, Assistant Professor of Civil Engineering, New York University, New York, N. Y. 1947.

PORTER, RICHARD W., Engineer, Aero. and Ord. Systems Division, General Electric Company, Schenectady, N. Y. 1949.

PORTER, ROYAL A., Professor of Physics, Emeritus, Syracuse University, Syracuse 10, N. Y. *Life member.* 1908.

PORTER, R. CLAY, Professor of Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

PORTER, ROLAND G., Professor and Head, Department of Electrical Engineering, Northeastern University, Boston, Mass. 1926.

POSEY, CHESLEY J., Director, Rocky Mountain Hydraulic Lab., Allenspark, Colo.; Professor of Hydraulics and Structural Engineering, Acting Head, Dept. of Civil Engineering, State University of Iowa, Iowa City, Iowa. 1931.

POSSER, FRED H., Assistant Professor of Mechanical Engineering, New York University, New York, N. Y. 1949.

POTOR, VELENTINA A., 309 E. 3rd Street, Bloomington, Ind. 1947.

POTTER, ANDREY A. Dean, Schools of Engineering, Director Engineering Experiment Station, Purdue University, Lafayette, Ind. (*President, 1924–25; Vice President, 1919–20; Member of Council, 1916–19, 1924–46.*) *Thirteenth Recipient, Lamme Medal (1940).* 1908.

POTTER, JAMES G., Professor and Head, Dept. of Physics, A. & M. College of Texas, College Station, Texas. (*Member of Council, 1947–49.*) 1935.

POTTER, JAMES H., Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1941.

POTTER, JAMES L., Professor and Chairman, Dept. of Electrical Engineering, Rutgers University, New Brunswick, N. J. 1936.

POTTER, MILES B., Associate Professor of Civil Engineering, Villanova College, Villanova, Pa. 1945.

POTTER, ORRIN W., Associate Professor of Engineering Drawing and Descriptive Geometry, University of Minnesota, Minneapolis, Minn. 1925.

POTTER, PHILIP J., Professor and Head, Dept. of Mechanical Engineering, University of North Dakota, Grand Forks, N. D. 1942.

POTTER, RICHARD C., Assistant Dean of Engineering & Architecture; Associate Professor of Mechanical Engineering, Kansas State College, Manhattan, Kans. 1949.

POTTS, PHILIP O., Associate Professor of Engineering Drawing, University of Michigan, Ann Arbor, Mich. 1948.

POWELL, ALBERT P., Associate Professor of Electrical Engineering, The Pennsylvania State College, State College, Pa. 1926.

POWELL, KNOX A., Research Engineer, Minneapolis-Moline Power Implement Co., Box 1050, Minneapolis, Minn. 1947.

POWELL, RALPH W., Professor of Mechanics, The Ohio State University, Columbus 10, Ohio. 1922.

POWELL, RAY B., Personnel Manager, Sandia Corp., Albuquerque, N. M. 1946.

POWER, HARRY H., Professor and Chairman, Dept. of Petroleum Engineering, University of Texas, Austin, Texas. 1938.

POWERS, A. RAYMOND, Professor of Electrical Engineering, Clarkson College of Technology, Potsdam, N. Y. 1941.

POWERS, FRANCIS W., Assistant to Administrative Engineer, Pratt & Whitney Aircraft, East Hartford, Conn. 1948.

POWERS, LOUIS J., Professor of Mechanical Engineering, Texas Technological College, Lubbock, Texas. 1944.

POWERS, MASTON L., Director of Engineering Extension, Oklahoma A. & M. College, Stillwater, Okla. 1947.

POWERS, MELVILLE W., Director, Evening School of Science and Technology, Pratt Institute, Brooklyn, N. Y. 1948.

POWERS, PHILIP N., Advisor on Scientific Personnel, Atomic Energy Commission, Washington, D. C. 1946.

POWLEY, GEORGE R., Associate Professor of Electrical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1950.

POZNANSKI, MITCHELL C., Instructor in Chemistry, University of Detroit, Detroit, Mich. 1947.

PRAGEMAN, IRVING H., Professor of Mechanical Engineering, University of Maine, Orono, Maine. 1923.

PRATT, CHARLES, President, Pratt Institute, Brooklyn, N. Y. 1929.

PRATT, CHESTER J., Associate Professor of Physics, Michigan College of M. & T., Houghton, Mich. 1948.

PRATT, D. F., Director of Training, Cincinnati Milling Machine Co., Cincinnati, Ohio. 1948.

PRATT, GROVER M., Assistant Professor of Engineering Drawing, Michigan State College, East Lansing, Mich. 1950.

PRATT, HUGH S., Assistant Manager, College Dept., Ronald Press Company, New York, N. Y. 1949.

PREATOR, FREDERICK, Professor of Technology, Utah State Agricultural College, Logan, Utah. 1949.

PRECKSHOT, GEORGE W., Assistant Professor of Chemical Engineering, University of Minnesota, Minneapolis, Minn. 1949.

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PRENTICE, THOMAS H., Assistant Professor of Civil Engineering, College of the City of New York, New York City. 1936.

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PRESTON, HOWARD K., Professor and Head, Dept. of Theoretical and Applied Mechanics, University of Delaware, Newark, Del. 1942.

PREWETT, C. H., Assistant Professor of Engineering, Omaha University, Omaha, Nebr. 1943.

PRIAN, VASILY D., Mechanical Engineer, National Advisory Committee for Aeronautics, Cleveland, Ohio. 1936.

PRICE, JOHN R., Professor of Electrical Engineering, University of Wisconsin, Madison 6, Wis. 1926.

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PRICE, SHERWOOD R., Assistant Professor of Language, Michigan College of M. & T., Houghton, Mich. 1943.

PRIEN, CHARLES H., Associate Professor of Chemical Engineering, University of Denver, Denver, Colo. 1941.

PRIES, LORENCE F., Instructor in Electrical Engineering, New York State Agricultural and Technical Institute, Canton, N. Y. 1949.

PRIESTER, GEORGE C., Head, Dept. of Mathematics and Mechanics, University of Minnesota, Minneapolis 14, Minn. 1920.

PRINGLE, ORAN A., Assistant Professor of Mechanical Engineering, University of Missouri, Columbia, Mo. 1949.

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PRYOR, KNIGHT. 1947.

PUCHSTEIN, ALBERT F., Consulting Engineer, Mining Engineering, The Jeffry Mfg. Co., Columbus, Ohio. 1928.

PUCKETT, HARVEY R., Associate Professor of Physics and Engineering, Dept. of Engineering, University of Redlands, Redlands, Calif. 1943.

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PUGH, EMERSON M., Professor of Physics, Carnegie Institute of Technology, Pittsburgh 13, Pa. 1938.

PUGH, RICHARD N., Assistant Professor of Civil Engineering, New Mexico A. & M. College, State College, N. M. 1946.

PULVER, HARRY E., Professor of Civil and Structural Engineering, Extension Division, University of Wisconsin, Madison 6, Wis. 1929.

PUMPHREY, FRED H., Professor and Head, Dept. of Electrical Engineering, University of Florida, Gainesville, Fla. 1928.

PURDIE, K. S., Professor of Mathematics, Virginia Military Institute, Lexington, Va. 1927.

PURDOM, T. LUTHER, Director, Bureau of Appointments and Occupational Information, University of Michigan, Ann Arbor, Mich. 1949.

PURINTUN, THEO. 1947.

PURNELL, WILLIAM B., Assistant Professor of Civil Engineering, University of Houston, Houston, Texas. 1949.

PUTNAM, GERALD, Assistant Professor of Graphics, Massachusetts Institute of Technology, Cambridge, Mass. 1944.

PUTNAM, RUSSELL C., Professor of Electrical Engineering, Case Institute of Technology, Cleveland, Ohio. 1927.

PYKE, DONALD L., Instructor and Assistant to the Dean, Thayer School of Engineering, Dartmouth College, Hanover, N. H. 1950.

QUAID, LLOYD J., Assistant Professor of Mathematics and Drawing, University of Minnesota, Minneapolis, Minn. 1931.

QUAM, GEORGE N., Head and Professor of Chemistry Dept., Villanova College, Villanova, Pa. 1947.

QUICK, ROY T., Professor, Engineering Extension, University of Missouri, Columbia, Mo. 1949.

QUIER, KENNETH E., Professor of Mechanical Engineering, Pratt Institute, Brooklyn 5, N. Y. 1929.

QUINN, BAYARD E., Associate Professor of Mechanical Engineering, Purdue University, Lafayette, Ind. 1942.

QUISENBERRY, ROGER C., Assistant Professor of Electrical Engineering, Ohio University, Athens, Ohio. 1949.

RACKWAY, JOHN S., Professor and Head, Dept. of Drawing, Lawrence Institute of Technology, Detroit 3, Mich. 1943.

RADASCH, ARTHUR H., Professor and Head, Dept. of Chemical Engineering, Cooper Union, New York 3, N. Y. 1939.

RADCLIFFE, DONALD G., Assistant Professor of General Engineering, University of Washington, Seattle, Wash. 1948.

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RADER, LOUIS T., Assistant to Manager, Control Division, General Electric Co., Schenectady, N. Y. 1945.

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RAEDER, WARREN, Professor and Head, Dept. of Civil and Architectural Engineering, University of Colorado, Boulder, Colo. 1938.

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RAHN, ARTHUR O., Representative, Publishing Dept., International Textbook Co., Waukesha, Wis. 1949.

RALPH, JOHN R., Instructor in Mechanical Engineering, University of Tennessee, Knoxville, Tenn. 1950.

RAMBERG, EIVIND G. F., Associate Professor of Physics, Newark College of Engineering, Newark, N. J. 1939.

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RANDLE, GEORGE W., Instructor in Mechanics, University of Oklahoma, Norman, Okla. 1950.

RANDOLPH, JAMES R., Lecturer in Mechanical Engineering, Pratt Institute, Brooklyn, N. Y. 1948.

RANKIN, ROLFE M., Professor of Mathematics, Missouri School of Mines, Rolla, Mo. 1950.

RANSDELL, CLIFFORD H., Associate Professor of Engineering Drawing, A. & M. College of Texas, College Station, Texas. 1942.

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RATHE, ALEX W., Associate Professor of Administrative Engineering, New York University, New York, N. Y. 1949.

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RATZBURG, PAUL D., President, Boston Technical Institute, Cleveland 3, Ohio. 1946.

RAUCH, LAWRENCE L., Associate Professor of Aeronautical Engineering, University of Michigan, Ann Arbor, Mich. 1950.

RAUDEBAUGH, ROBERT J., Professor of Metallurgical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1946.

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RAVENSCROFT, HENRY A., Instructor in Physics, Santa Rosa Junior College, Santa Rosa, Calif. 1943.

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Reeks, Mark R., Associate Professor of Mathematics, Stevens Institute of Technology, Hoboken, N. J. 1940.

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Rees, Carl J., Professor of Mathematics and Director of Division of Graduate Study, University of Delaware, Newark, Del. 1948.

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Reid, Ernest A., Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1938.

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Reid, Walter P., Mathematics Division, U. S. Naval Ordnance Test Station, China Lake, Calif. 1950.

Reiley, D. W., Instructor, Vocational Dept., University of Houston, Houston, Texas. 1949.

Rein, David M., Assistant Professor of Language and Literature, Case Institute of Technology, Cleveland, Ohio. 1949.

Reinecke, Marvin E., Instructor in Machine Design, Kansas State College, Manhattan, Kans. 1947.

Reingold, Haim, Associate Professor of Mathematics, Illinois Institute of Technology, Chicago 16, Ill. 1947.

Reinhart, William A., Instructor in Applied Mechanics, Iowa State College, Ames, Iowa. 1950.

Reinsch, Bernhard P., Professor and Head, Department of Mathematics, Florida Southern College, Lakeland, Fla. 1931.

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Renner, William E., Director of Engineering, Carrier Corp., Syracuse, N. Y. 1940.

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Renwick, Donald J., Assistant Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1941.

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Rey, William K., Assistant Professor of Engineering Mechanics, University of Alabama, University, Ala. 1949.

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Reynolds, Kenneth C., Professor of Civil Engineering and Head, Dept. of General Engineering, University of Southern California, Los Angeles 7, Calif. 1934.

Reynolds, Ralph K., Assistant Professor of Mechanical Engineering, Washington State College, Pullman, Wash. 1950.

Reynolds, R. Wallace, Instructor in Graphics, West Coast University, Los Angeles 6, Calif. 1949.

Reynolds, Richard W., Electrical Consultant, Engineering Dept., E. I. duPont de Nemours and Co., Wilmington, Del. 1949.

Reynolds, Wilbert G., Personnel Manager, The Maytag Co., Newton, Iowa. 1949.

Reza, Fazlollah, Assistant Professor of Electrical Engineering, Teheran University, Teheran, Iran. 1947.

Rhodes, Fred H., Director, School of Chemical Engineering, Herbert Fisk Johnson Professor of Industrial Chemistry, Cornell University, Ithaca, N. Y. 1941.

Rhodes, Fred H., Jr., Associate Professor of Civil Engineering, University of Washington, Seattle, Wash. 1938.

Rhodes, Leland S., Professor of Civil Engineering, The Pennsylvania State College, State College, Pa. 1925.

Rhodes, Sam R., Professor and Head, Division of Electrical Engineering, Clemson Agricultural College, Clemson College, S. C. 1927.

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Rice, Elbert F., Instructor in General Engineering, Oregon State College, Corvallis, Ore. 1949.

Rice, Harris, Professor of Mathematics, Worcester Polytechnic Institute, Worcester, Mass. 1919.

Rice, Paul P., Associate Professor of Civil Engineering, Rutgers University, New Brunswick, N. J. 1949.

Rice, Percival S., Assistant Professor of Civil Engineering, Tufts College, Medford, Mass. 1947.

Rice, Philip X., Associate Professor of Electrical Engineering, The Pennsylvania State College, State College, Pa. 1931.

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RICE, WILLIAM H., Associate Professor of Welding, Oklahoma A. & M. College, Stillwater, Okla. 1948.

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RICHARDS, CHARLES L., Elec. and Ref. Dept., Chicago Technical College, 2000 South Michigan Ave., Chicago, Ill. 1948.

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RICHARDSON, MARION B., Associate Professor of General Engineering, Iowa State College, Ames, Iowa. 1948.

RICHARDSON, RICHARD L., Assistant Professor of General Engineering, Oregon State College, State College, Pa. 1950.

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RIDDLE, KENNETH W., Associate Professor of Mechanical Engineering, and Director of Drexel Evening Diploma School, Drexel Institute of Technology, Philadelphia, Pa. 1937.

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RIEBETH, THEODORE J., Associate Professor and Head, Dept. of Engineering Drawing, Marquette University, Milwaukee 3, Wis. 1943.

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RIES, HAROLD C., Instructor in Chemical Engineering, Tufts College, Medford, Mass. 1950.

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RISING, JAMES S., Professor and Head, Dept. of Engineering Drawing, Syracuse University, Syracuse 10, N. Y. 1945.

RISING, JUSTUS, Professor of Engineering Drawing, Purdue University, Lafayette, Ind. 1926.

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RITLAND, HUBERT O., Associate Professor of Engineering, Idaho State College, Pocatello, Idaho. 1947.

RITTENHOUSE, L. H., Professor of Electrical Engineering, Emeritus, Haverford College, Haverford, Pa. *Life member.* 1906.

RITTER, IRVING F., Associate Professor of Mathematics, New York University, New York 53, N. Y. 1938.

RITTER, MORTIMER C., Director, Fashion Institute of Technology, 225 West 24th St., New York 11, N. Y. 1948.

RITTER, ROBERT L., Instructor in Engineering Drawing, Marquette University, Milwaukee, Wis. 1950.

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RIVELAND, ARVIN R., Instructor in Civil Engineering, University of Nebraska, Lincoln, Neb. 1949.

RIVES, JAMES A., Associate Professor of Sanitary Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1946.

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ROBB, DAVID D., Assistant Professor of Electrical Engineering, Iowa State College, Ames, Iowa. 1950.

ROBBINS, FLOYD D., Instructor in Electrical Engineering, University of Washington, Seattle, Wash. 1948.

ROBBINS, JAMES M., Professor and Executive Associate of Civil Engineering, Newark College of Engineering, Newark, N. J. 1937.

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ROBERT, JAMES M., Dean Emeritus, College of Engineering, Tulane University, New Orleans, La. 1922.

ROBERT, JULES H., Professor of Applied Mechanics, Kansas State College, Manhattan, Kans. 1926.

ROBERT, JUNE, Professor of Agricultural Engineering, State College of Washington, Pullman, Wash. 1947.

ROBERT, RENE A., Associate Professor of Physics, Ecole Polytechnique, Montreal, Canada. 1942.

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ROBERTS, EARL, Assistant Professor of Mathematics, Michigan College of M. & T., Houghton, Mich. 1945.

ROBERTS, ENOS A., Assistant Professor of Economics and Accounting, University of Detroit, Detroit, Mich. 1945.

ROBERTS, JOHN M., Instructor in Mechanical Engineering, University of Denver, Denver, Colo. 1947.

ROBERTS, JOHN P., Associate Professor of Metallurgy, University of Houston, Houston, Texas. 1949.

ROBERTS, JOSEPH K., General Manager of Research, Standard Oil Co., Chicago, Ill. 1949.

ROBERTS, MARCUS D., Assistant Professor of General Engineering, Purdue University, Lafayette, Ind. 1949.

ROBERTS, MILNOR, Dean, Emeritus, School of Mineral Engineering, University of Washington, Seattle 5, Wash. 1910.

ROBERTS, WILLIAM H., Adm. Assistant, Indianapolis Center, Purdue University, Indianapolis, Ind. 1949.

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RODE, NORMAN F., Professor of Electrical Engineering, Texas A. & M. College, College Station, Texas. 1936.

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ROGERS, WILLARD L., Lecturer in Mechanical Engineering, Northwestern University, Evanston, Ill. 1945.

ROGERS, WILLIAM B., Instructor in Mechanical Engineering, University of Florida, Gainesville, Fla. 1949.

ROGERS, WILLIAM W., Head, Mechanical Engineering Department, Long Island Agricultural and Technological Institute, Farmingdale, N. Y. 1950.

ROHLICH, GERARD A., Professor of Civil Engineering, University of Wisconsin, Madison, Wis. 1938.

ROHR, WILLIAM F., Instructor in Engineering Drawing, Woodward High School, Toledo, Ohio. 1948.

ROHR, WILLIAM G., Instructor in Mechanical Engineering, University of Toledo, Toledo, Ohio. 1948.

ROHRBACH, GEORGE E., Associate Professor of Mechanical Engineering, University of Notre Dame, Notre Dame, Ind. 1938.

ROHRMAN, FREDERICK A., Professor and Executive Director, Engineering Experiment Station, University of Colorado, Boulder, Colo. 1946.

ROLLINS, EDWIN B., Professor of Electrical Engineering, Emeritus, Tufts College, Medford, Mass. *Life member.* 1912.

ROLLINS, FRANCIS W., Instructor in General Engineering, University of Washington, Seattle, Wash. 1950.

ROLLINS, RALPH L., Assistant Professor of Civil Engineering, Colorado A. & M. College, Fort Collins, Colo. 1949.

ROMANOWITZ, HARRY A., Professor of Electrical Engineering, University of Kentucky, Lexington, Ky. 1943.

RONEY, MAURICE W., Assistant Professor of Mechanics, Oklahoma A. & M. College, Stillwater, Okla. 1948.

ROOK, CHARLES W., Associate Professor of Electrical Engineering, University of Nebraska, Lincoln 8, Nebr. 1944.

ROOK, GUSTAV, Assistant Professor of Drawing, Northeastern University, Boston, Mass. 1948.

ROOP, FRANK S., Associate Professor of Mechanical Engineering, North Carolina State College, Raleigh, N. C. 1946.

ROOS, PHILIP K., Associate Professor of Engineering Mechanics, The Pennsylvania State College, State College, Pa. 1939.

ROOT, JAMES A., Instructor in Civil Engineering, University of Vermont, Burlington, Vt. 1949.

ROOT, RALPH E., Professor of Mathematics, Emeritus, U. S. Naval Postgraduate School, Annapolis, Md. *Life member.* 1914.

ROSCOE, EDWIN S., Assistant Professor of Industrial Engineering, Pennsylvania State College, State College, Pa. 1948.

ROSE, AARON, Assistant Professor of Chemical Engineering, Washington University, St. Louis 5, Mo. 1947.

ROSE, FRANK W., 905 East Sixth St., Tucson, Ariz. 1933.

ROSE, FRANKLIN O., Professor of Civil Engineering, University of Puerto Rico, Mayaguez, P. R. 1928.

ROSE KENNETH E., Associate Professor and Head, Dept. of Mining and Metallurgical Engineering, University of Kansas, Lawrence, Kans. 1947.

ROSE, LISLE A., Director, Engineering Information and Publications, University of Illinois, Urbana, Ill. 1940.

ROSE, LOUIS H., Head, Dept. of Electrical Engineering, University of Dayton, Dayton, Ohio. 1937.

ROSE, MINARE F., Associate Professor of Mechanical Engineering, Tri-State College, Angola, Ind. 1948.

ROSE, NICHOLAS J., Instructor in Mathematics, Stevens Institute, Hoboken, N. J. 1949.

ROSE, ROBERT L., Associate Research Engineer, Dept. of Mechanical Engineering, Illinois Institute of Technology, Chicago, Ill. 1945.

ROSENBACH, JOSEPH B., Professor and Head, Dept. of Mathematics, Carnegie Institute of Technology, Pittsburgh 13, Pa. 1939.

ROSENHOLTZ, JOSEPH L., Professor and Head of Geology Dept., Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

ROSENSTEIN, ALLEN B., Lecturer in Engineering, University of California, Los Angeles, Calif. 1949.

ROSENTHAL, DANIEL, Professor of Engineering, University of California at Los Angeles, Calif. 1947.

ROSENTHAL, PHILIP C., Professor of Mining and Metallurgy, University of Wisconsin, Madison, Wis. 1949.

ROSS, ANDREW W., Instructor in Civil Engineering, University of Arizona, Tucson, Ariz. 1949.

ROSS, RALPH M., Assistant Professor of Mathematics, Rose Polytechnic Institute, Terre Haute, Ind. 1948.

ROSSELL, EVE, Lecturer in Industrial Engineering, Columbia University, New York, N. Y. 1950.

ROSSELOT, GERALD A., Director, Engineering Experiment Station, Georgia Institute of Technology, Atlanta, Ga. (*Vice President, 1950–52.*) 1943.

ROSSI, BONIFACE E., Executive Secretary, Pressure Vessel Research Commission, Welding Research Council, New York, N. Y. 1947.

ROTH, SIDNEY G., Assistant Professor of Mathematics, New York University New York 3, N. Y. 1942.

ROTHBART, HAROLD A., Assistant Professor of Mechanical Engineering, College of the City of New York, New York, N. Y. 1948.

ROUNTREE, HARRY C., Dean, Community College and Technical Institute, Temple University, Philadelphia, Pa. (Home: 725 Wright St., Champaign, Ill.) 1948.

ROUSE, HUNTER, Professor of Fluid Mechanics and Director, Institute of Hydraulic Research, State University of Iowa, Iowa City, Iowa. *Third Recipient, George Westinghouse Award (1948).* 1948.

ROVELSTAD, HOWARD, Associate Professor of Library Science and Acting Director of Libraries, University of Maryland, College Park, Md. 1948.

ROWAN, WILLIAM H., Professor of Civil Engineering, Vanderbilt University, Nashville, Tenn. 1946.

ROWE, ALBERT A., Assistant Professor of Mechanical Engineering, Stanford University, Stanford University, Calif. 1947.

ROWE, C. M., Professor of English and Social Science, South Dakota School of M. & T., Rapid City, S. D. 1946.

ROWE CHARLES E., Professor of Drawing, Assistant Dean, University of Texas, Austin 12, Texas. 1935.

ROWLAND, ARTHUR E., Associate Professor and Head, Aeronautical Engineering Dept., Virginia Polytechnic Institute, Blacksburg, Va. 1949.

ROWLAND, WILLIAM G., Assistant Professor of Civil Engineering, Texas College of Arts and Industries, Kingsville, Texas. 1946.

ROWLANDS, THOMAS M., Associate Professor of General Engineering, University of Washington, Seattle, Wash. 1947.

ROWLEY, F. B., Professor Emeritus of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1910.

ROY, ROBERT H., Professor of Industrial Engineering & Asst. Dean of Engineering, Johns Hopkins University, Baltimore, Md. 1949.

ROYS, FRANCIS W., Dean of Engineering, Head, Dept. of Mechanical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1925.

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RUBENKOENIG, HARRY, Professor of Railway Mechanical Engineering, Purdue University, Lafayette, Ind. 1920.

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RÜDENBERG, REINHOLD, Gordon McKay Professor of Electrical Engineering, Graduate School of Engineering, Harvard University, Cambridge 38, Mass. 1944.

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RUGGLES, EDWARD W., Director, College Extension Division, North Carolina State College, Raleigh, N. C. 1941.

RUHL ROBERT C., Head, Dept. of Civil Engineering, Indiana Technical College, Ft. Wayne, Ind. 1943.

RULE, JOHN T., Professor of Graphics, Massachusetts Institute of Technology, Cambridge, Mass. 1940.

RULEY, BRYCE T., Senior Engineer, Engineering Department, S.K.F. Industries, Inc., Philadelphia, Pa. 1946.

RUMBLE, CHESTER A., Educational Specialist, School of Radio Engineering, Scott Air Force Base, Belleville, Ill. 1948.

RUNDLE, WILLIAM J., Assistant Professor of Mining and Metallurgy, University of Wisconsin, Madison, Wis. 1948.

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RUNGE, LULU L., Assistant Professor of Mathematics, University of Nebraska, Lincoln, Nebr. 1940.

RUNKLE, LLOYD D., Assistant Professor of Electrical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1948.

RUPP, NATALIE C., Instructor in Humanistic-Social Dept., University of Washington, Seattle, Wash. 1950.

RUSH, PHILIP E., Professor of Electrical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1939.

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RUSINOFF, SAMUEL E., Associate Professor of Mechanical Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.

RUSS, JOHN M., Professor of Engineering Drawing, State University of Iowa, Iowa City, Iowa. 1924.

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RYAN, JAMES J., Associate Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1943.

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RYAN, WILLIAM F., Engineering Manager & Vice President, Stone and Webster Engineering Corp., Boston, Mass. 1949.

RYCKMAN, DEVERE W., Instructor in Civil Engineering, Michigan State College, East Lansing, Mich. 1949.

RYCKMAN, SEYMOUR J., Associate Professor of Civil Engineering, University of Maine, Orono, Maine. 1942.

RYDER, JOHN D., Professor and Head of Electrical Engineering Dept., University of Illinois, Urbana, Ill. 1941.

RYERSON, JOSEPH L., Assistant Professor of Physics, Evansville College, Evansville, Ind. 1949.

RYON, LEWIS B., Professor and Head, Department of Civil Engineering, Rice Institute, Houston 1, Texas. 1925.

SAAD, MICHEL A., National University of Syria, College of Engineering, Aleppo, Syria. 1947.

SABBAGH, ELIAS M., Professor of Electrical Engineering, Purdue University, Lafayette, Ind. 1930.

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SADLER, WALTER C., Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. 1940.

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SALMA, EMANUEL A., Associate Professor of Mechanical Engineering, New York University, New York, N. Y. 1930.

SALTMARSH, VIOLA, Director of Placement, Tufts College, Medford, Mass. 1949.

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SALTZER, BERTRAM H., Engineering Administrator, Wright Aero. Corp., Wood-Ridge, N. J. 1936.

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SAMS, JAMES H., Acting Dean and Professor of Mechanical Engineering, Clemson Agricultural College, Clemson, S. C. 1946.

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SANCHEZ-DIAZ, RAFAEL, Professor and Head, Dept. of Mathematics, New Mexico School of Mines, Socorro, N. M. 1948.

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SANDERSON, ALBERT E., Assistant Professor of Drawing, Northeastern University, Boston, Mass. 1948.

SANDFORT, JOHN F., Associate Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1946.

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SANDVIG, ROBERT L., Instructor in Chemistry, South Dakota School of Mines, Rapid City, S. D. 1949.

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SANGER, FREDERICK J., Associate Professor of Civil Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1947.

SANGSTER, WILLIAM M., Assistant Professor of Civil Engineering, University of Missouri, Columbia, Mo. 1948.

SANNER, WALTER E., Dean of Engineering, Heald Engineering College, San Francisco, Calif. 1950.

SANTRY, ISRAEL W., JR., Associate Professor of Civil Engineering, Southern Methodist University, Dallas 5, Texas. 1942.

SARBACHER, ROBERT L., Dean, Graduate Division, Georgia Institute of Technology, Atlanta, Ga. 1941.

SASIN, GEORGE S., Associate Professor of Chemistry, Drexel Institute of Technology, Philadelphia, Pa. 1948.

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SATULLO, ANTHONY R., Special Instructor in Electrical Engineering, Wayne University, Detroit, Mich. 1941.

SAUDER, JOHN L., Instructor in Drawing, University of Virginia, Charlottesville, Va. 1946.

SAUER, JOHN A., Professor and Head, Dept. of Engineering Mechanics, Pennsylvania State College, State College, Pa. 1948.

SAUER, FRANCIS, Instructor in Science and Vocations, Pitkin Middle School, Kiungchow, Hainan Island, South China. 1947.

SAUER, RAYMOND W., Instructor in Civil Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.

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SAVAGE, ROBERT L., Associate Professor of Chemical Engineering, Case Institute of Technology, Cleveland, Ohio. 1949.

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SAVILLE, THORNDIKE, Dean, College of Engineering, New York University, University Heights, New York 53, N. Y. (*Member of Council, 1943–46; Vice President, 1948–49; President, 1949–50.*) 1915.

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SAWYER, WILLIAM L., Professor & Head of Engineering Mechanics, University of Florida, Gainesville, Fla. 1949.

SAXTON, REN G., Professor and Head, Dept. of Civil Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1925.

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SAYRE, MORTIMER F., Professor of Applied Mechanics and Director of Extension, Union College, Schenectady 8, N. Y. 1917.

SCALZI, JOHN B., Associate Professor of Civil Engineering, Case Institute of Technology, Cleveland, Ohio. 1949.

SCANLAN, JACK A., Assistant Professor of Mechanical Engineering, University of Texas, Austin, Texas. 1947.

SCHADE, GEORGE E., Instructor in Physics, Colorado School of Mines, Golden, Colo. 1947.

SCHAFFNER, CHARLES E., Assistant Professor of Civil Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1943.

SCHAMEHORN, ERNEST C., Instructor in Engineering Drawing, Michigan State College, East Lansing, Mich. 1950.

SCHARF, ROBERT S., Assistant Professor of Social Science, Georgia Institute of Technology, Atlanta, Ga. 1950.

SCHART, WILLIAM J., Research Engineer, Radio and Electrical Laboratories, Consolidated Vultee Aircraft Corp., San Diego, Calif. 1944.

SCHATZ, EDWARD R., Assistant Professor of Electrical Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1949.

SCHEALER, SAMUEL R., Professor and Head, Dept. of Electrical Engineering, Vanderbilt University, Nashville 4, Tenn. 1911.

SCHEIFLY, CLAUDE K., Professor of Modern Languages and History, Worcester Polytechnic Institute, Worcester, Mass. 1939.

SCHEINMAN, JAY, Lecturer in Engineering Design, University of California, Berkeley, Calif. 1943.

SCHELL, ERWIN H., Professor in Charge of Business and Engineering Administration, Massachusetts Institute of Technology, Cambridge, Mass. 1940.

SCHERMERHORN, JAMES R., A. P. O. 404, San Francisco, Calif. 1947.

SCHICK, LAWRENCE E., Professor and Head, Dept. of Military Topography and Graphics, U. S. Military Academy, West Point, N. Y. 1948.

SCHIETINGER, JAMES R., Assistant Professor of Mechanical Engineering, The Johns Hopkins University, Baltimore, Md. 1949.

SCHILD, DANIEL, Instructor in Mechanical Engineering, University of Dayton, Dayton, Ohio. 1949.

SCHILLING, EUGENE W., Dean of Engineering, Head, Dept. of Electrical Engineering, Montana State College, Bozeman, Mont. 1935.

SCHILLING, HAROLD K., Dean of Graduate School, Professor, Department of Physics, Pennsylvania State College, State College, Pa. 1948.

SCHILZ, CARL E., Assistant Professor of Chemistry, South Dakota School of Mines and Technology, Rapid City, S. D. 1947.

SCHIM, CARL J., Instructor in Engineering Mechanics, University of Detroit, Detroit, Mich. 1950.

SCHINDLER, LEON W., Assistant Professor of Mechanical Engineering, Kansas State College, Manhattan, Kans. 1950.

SCHINDLER, RICHARD R., Sanitary Engineer, Los Angeles County Flood Control Dist., Los Angeles, Calif. 1948.

SCHINDLER, TURFIELD D., President, Lower Columbia Junior College, Longview, Wash. 1950.

SCHJONBERG, CARL S., Associate Professor of Electrical Engineering, Michigan College of M. & T., Houghton, Mich. 1945.

SCHLECHTEN, ALBERT W., Professor and Chairman, Department of Metallurgical Engineering, Missouri School of Mines, Rolla, Mo. 1945.

SCHLEGEL, EDWARD J., Assistant Professor of Technical Drawing, Bradley University, Peoria 5, Ill. 1942.

SCHLEMMER, ALFRED E., Instructor in Mechanical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1947.

SCHLENK, WILLIAM F., Associate Professor of Civil Engineering, University of Akron, Akron, Ohio. 1949.

SCHLESINGER, S. PERRY, Assistant Professor of Electrical Engineering, U. S. Naval Academy, Annapolis, Md. 1949.

SCHLICK, WILLIAM J., Research Professor of Civil Engineering, Iowa State College, Ames, Iowa. 1946.

SCHLOSSER, FRANCIS, Professor of Chemistry, Purdue University, Hammond, Ind. 1948.

SCHMELZER, RICHARD W., Associate Professor of English, Rensselaer Polytechnic Institute, Troy, N. Y. 1943.

SCHMIDT, ALOIS X., Assistant Professor of Chemical Engineering, City College of New York, New York, N. Y. 1950.

SCHMIDT, BERNARD M., Instructor in Electrical Engineering, University of Dayton, Dayton, Ohio. 1949.

SCHMIDT, HARRY P., Headmaster, Arizona Sunshine School, Tucson, Ariz. 1930.

SCHMIDT, MILTON O., Associate Professor of Civil Engineering, University of Illinois, Urbana, Ill. 1943.

SCHMIEDER, ALBERT K., Assistant Professor of Mechanical Engineering, Northeastern University, Boston, Mass. 1949.

SCHMITT, HARRIET J., Instructor in Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1947.

SCHMITTER, WALTER P., Chief Engineer, The Falk Corporation, Milwaukee, Wis. 1949.

SCHMITZ, FRED W., Instructor in Chemical Engineering, New York State Institute of Applied Arts and Sciences, New York, N. Y. 1948.

SCHNEIDER, CHARLES S., Assistant to Director Research Division, College of Engineering, New York University, New York, N. Y. 1950.

SCHNEIDER, RUDOLPH P., Assistant Professor of Industrial Engineering, The Ohio State University, Columbus, Ohio. 1948.

SCHNEIDER, THEODORE A., Instructor in Mechanical Engineering, Newark College of Engineering, Newark, N. J. 1943.

SCHNEIDEWIND, RICHARD, Associate Professor of Metallurgical Engineering, University of Michigan, Ann Arbor, Mich. 1940.

SCHNEYER, RAYMOND I., Assistant Professor of Aeronautical Engineering, University of Michigan, Ann Arbor, Mich. 1950.

SCHOCK, EDSON I., Associate Professor of Mechanical Engineering, Rhode Island State College, Kingston, R. I. 1937.

SCHODER, ERNEST W., Professor of Civil Engineering, Emeritus, Cornell University, Ithaca, N. Y. 1934.

SCHOEN, JOHN E., Director of Mechanical Engineering, Marquette University, Milwaukee, Wis. 1948.

SCHOENBORN, EDWARD M., JR., Professor and Head, Dept. of Chemical Engineering, North Carolina State College, Raleigh, N. C. 1935.

SCHOENHERR, KARL E., Dean of Engineering, University of Notre Dame, Notre Dame, Ind. 1946.

SCHOFIELD, WENTWORTH H., Assistant Professor of Mechanical Engineering, University of Maine, Orono, Me. 1950.

SCHOLER, CHARLES H., Professor of Applied Mechanics, Kansas State College, Manhattan, Kans. 1925.

SCHOLES, SAMUEL R., Professor and Head, Glass Technology Dept., New York State College of Ceramics, Alfred, N. Y. 1945.

SCHOLL, LLOYD W., Assistant Professor of Architecture, Extension Division, Purdue University, Indianapolis, Ind. 1948.

SCHOMMER, JOHN T., Professor Emeritus of Industrial Chemistry, Director of Placement, Illinois Institute of Technology, Chicago 13, Ill. 1928.

SCHONE, FRANK P., Associate Professor of Engineering Drawing, State University of Iowa, Iowa City, Iowa. 1948.

SCHOONMAKER, LUCAS E., Assistant Professor of Electrical Engineering, University of Florida, Gainesville, Fla. 1948.

SCHOONOVER, BONNIE-BLANCHE, Librarian, Worcester Polytechnic Institute, Worcester 2, Mass. 1943.

SCHOONOVER, REX H., Assistant Dean, College of Engineering, Wayne University, Detroit, Mich. 1937.

SCHORR, WILHELM E., Instructor in Mechanical Engineering, New York University, New York, N. Y. 1949.

SCHOTT, ARTHUR E., Instructor in Electrical Engineering, Tri-State College, Angola, Ind. 1950.

SCHRADER, HERMAN J., Research Professor of Theoretical and Applied Mechanics, University of Illinois, Urbana, Ill. 1925.

SCHRAGE, CHARLES T., Employment Engineer, Personnel Department, New York Tel. Co., 140 West St., New York 7, N. Y. 1946.

SCHRAMM, E. FRANK, Chairman, Dept. of Geology, University of Nebraska, Lincoln, Nebr. 1940.

SCHRAUT, KENNETH C., Professor of Mathematics, University of Dayton, Dayton, Ohio. 1947.

SCHREIBER, HERBERT F., Coordinator, Examinations and Grading, USAF Radio School, Belleville, Ill. 1949.

SCHREIBER, NORMAN B., Professional Lecturer in Industrial Management, Illinois Institute of Technology, Chicago, Ill. 1943.

SCHRENK, WALTER T., Professor and Head, Dept. of Chemical Engineering and Chemistry, Missouri School of Mines, Rolla, Mo. 1939.

SCHRERO, MORRIS, Head of Technology Department, Carnegie Library of Pittsburgh, Pittsburgh, Pa. 1950.

SCHROEDER, ERVIN W., Professor and Head, Dept. of Agricultural Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1947.

SCHROEDER, ROY W., Assistant Professor of Mechanical Engineering, University of Illinois, Navy Pier, Chicago, Ill. 1948.

SCHROEPFER, GEORGE J., Professor of Civil Engineering, University of Minnesota, Minneapolis, Minn. 1945.

SCHRUBEN, L. R., Associate Professor of Engineering Drawing, University of Southern California, Los Angeles, Calif. 1946.

SCHUBERT, ARNO G., Professor of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1946.

SCHUBMEHL, RAYMOND J., Professor of Mechanics, University of Notre Dame, Notre Dame, Ind. 1938.

SCHUCK, ROBERT F., Assistant Professor of Drawing and Descriptive Geometry, University of Minnesota, Minneapolis, Minn. 1925.

SCHUFLE, JOSEPH A., Assistant Professor of Chemical Engineering, New Mexico School of Mines, Socorro, N. M. 1948.

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SCHUMANN, FRED., Professor of Electrical Engineering, Vanderbilt University, Nashville, Tenn. 1944.

SCHUTE, FRANK A., Instructor in Civil Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1948.

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SCHWALJE, JOSEPH L., Associate Professor of Mechanical Engineering, Rutgers University, New Brunswick, N. J. 1948.

SCHWANTES, ARTHUR J., Professor and Chief, Division of Agricultural Engineering, University of Minnesota, St. Paul 1, Minn. 1926.

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SCHWEYER, HERBERT E., Professor of Chemical Engineering, University of Florida, Gainesville, Fla. 1948.

SCHWEYER, HERBERT E., Associate Professor of Chemical Engineering, University of Florida, Gainesville, Fla. 1948.

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SCOTTINO, PASCHAL L., Associate Professor of Engineering, Arlington State College, Arlington, Texas. 1949.

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SCULL, HERBERT M., Associate Professor of Electrical Engineering, University of Tennessee, Knoxville, Tenn. 1947.

SEAL, PHILIP M., Associate Professor of Electrical Engineering, University of Maine, Orono, Maine. 1943.

SEARS, FRANCIS W., Professor of Physics, Massachusetts Institute of Technology, Cambridge, Mass. 1945.

SEARS, JAMES F., Professor and Head, Dept. of Physics, Evansville College, Evansville, Ind. 1947.

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SEAVER, WILLIAM N., Librarian, Emeritus, Institute Library, Massachusetts Institute of Technology, Cambridge 39, Mass. 1941.

SEBAST, FREDERICK M., Professor of Electrical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1945.

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SEELEY, LAUREN E., Dean, College of Technology, University of New Hampshire, Durham, N. H. 1935.

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SEELY, F. B., Professor and Head, Dept. of Theoretical and Applied Mechanics, University of Illinois, Urbana, Ill. (*Member of Council, 1937–40.*) 1913.

SEELY, JOHN F., Assistant Professor of Chemical Engineering, North Carolina State College, Raleigh, N. C. 1941.

SEELY, SAMUEL, Professor of Electrical Engineering, Syracuse University, Syracuse, N. Y. 1942.

SEESTEDT, HENRY C., Assistant Research, Electrical Engineering Department, University of Florida, Gainesville, Fla. 1948.

SEFING, FREDERICK G., Research Metallurgist, International Nickel Co., 67 Wall St., New York, N. Y. 1947.

SEIBEL, ROBERT C., Associate Professor of Electrical Engineering, Montana State College, Bozeman, Mont. 1947.

SEIBERT, CHARLES B., Associate Professor of Electrical Engineering, West Virginia University, Morgantown, W. Va. 1942.

SELBY, SAM, Professor and Head, Dept. of Mathematics, University of Akron, Akron, Ohio. 1946.

SELFRIDGE, BEN D., Professor of Engineering Drawing, Tri-State College, Angola, Ind. 1948.

SELLECK, RICHARD R., Instructor in Electrical Engineering, Ohio University, Athens, Ohio. 1949.

SELLERS, GABE A., Professor and Head, Department of Shop Practice, Kansas State College, Manhattan, Kans. 1948.

SELLS, JACKSON S., Instructor in Electrical Engineering, University of Miami, Coral Gables, Fla. 1950.

SELVIDGE, HARNER, Director, Special Products Development, Bendix Aviation Corp., Fisher Bldg., Detroit 2, Mich. 1938.

SEMELSBERGER, ROBERT, Director, Scranton Unit of Temple University, 322 Washington Ave., Scranton, Pa. 1949.

SEMPLE, WILLIAM H., Instructor in Civil Engineering, North Carolina State College, Raleigh, N. C. 1948.

SEN, GOPAL C., Associate Professor, Mechanical Engineering Department, College of Engineering and Technology, Jadavpur College, Bengal, Calcutta, India. 1948.

SEN, TRIGUNA C., Principal of Jadavpur College, West Bengal, India. 1948.

SENEFF, HAROLD L., Assistant Professor of Electrical Engineering, University of Missouri, Columbia, Mo. 1949.

SENNE, JOHN E., Instructor in Engineering Drafting, Washington University, St. Louis, Mo. 1947.

SERGEV, S., Professor of Civil Engineering, University of Washington, Seattle 5, Wash. 1943.

SERMON, THOMAS C., Head, Physics Dept., Michigan College of M. & T., Houghton, Mich. 1950.

SERVICE, JERRY H., Professor and Head, Retired, Dept. of Physics, Michigan College of Mining and Technology, Houghton, Mich. 1947.

SERVISS, FRED L., Professor of Geology, Purdue University, Lafayette, Ind. 1929.

SESSUMS, ROY T., Dean, School of Engineering, Professor of Civil Engineering, Louisiana Polytechnic Institute, Ruston, La. *Life member*. 1939.

SETCHELL, JOHN E., Assistant Professor Emeritus of Mechanical Engineering, Brooklyn Polytechnic Institute, Brooklyn, N. Y. 1927.

SETTE, FRANCIS J., Assistant Director, Programs Division, Research and Development Board, Washington 25, D. C. 1925.

SEULBERGER, FERDINAND G., Dean of Students, Northwestern University, Evanston, Ill. 1940.

SEVERSON, ASBJORN M., Instructor in Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1947.

SEVERSON, DONALD E., Associate Professor of Chemical Engineering, University of North Dakota, Grand Forks, N. D. 1948.

SEWARD, HERBERT L., Professor Emeritus of Mechanical and Marine Engineering, Yale University, New Haven, Conn. *Life member*. 1910.

SEWARD, RAYMOND S., Professor of Physics, College of Puget Sound, Tacoma, Wash. 1949.

SEYER, WILLIAM F., Professor of Engineering, University of California, Los Angeles, Calif. 1949.

SEXTON, F. H., President, Nova Scotia Technical College, Retired, Halifax, Nova Scotia. 1908.

SEYLER, PAUL K., Transmission and Protection Engineer, Mountain States Telephone and Telegraph Co., Denver, Colo. 1948.

SEYMOUR, RAYMOND B., Technical Director, The Atlas Mineral Products Co., Mertztown, Pa. 1947.

SHAFFER, HAROLD A., Associate Professor of Engineering Drawing, Bucknell University, Lewisburg, Pa. 1927.

SHAFFER, L. E., Professor and Head, Mining Dept., South Dakota School of Mines, Rapid City, S. D. 1949.

SHAFFER, RICHARD F., Assistant Professor of Chemical Engineering, Pratt Institute, Brooklyn 5, N. Y. 1948.

SHAFFER, ROBERT E., Associate Professor of Mechanical Engineering, University of Buffalo, Buffalo 14, N. Y. 1943.

SHAHDAN, PETER, Instructor in Mathematics, North Carolina State College, Raleigh, N. C. 1950.

SHALLENE, WILBERT E., Assistant Professor of Drawing, University of Texas, Austin, Texas. 1948.

SHANK, JACOB RALPH, Professor of Civil Engineering, Assistant Director, Engineering Experiment Station, The Ohio State University, Columbus 10, Ohio. 1919.

SHAPIRO, ASCHER H., Associate Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1943.

SHAPIRO, LEONARD, Assistant Instructor in Civil Engineering, Newark College of Engineering, Newark, N. J. 1949.

SHAPIRO, SAMUEL E., Assistant Professor of General Engineering Drawing, University of Illinois, Navy Pier, Chicago, Ill. 1947.

SHAROFF, MICHAEL, Instructor in Engineering Drafting, University of Detroit, Detroit, Mich. 1947.

SHARP, ARNOLD G., Instructor in Mechanical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1950.

SHARP, DONALD W., Instructor, Technical Department, Central Radio and Television Schools, Kansas City, Mo. 1950.

SHARP, H. OAKLEY, Professor of Geodesy and Transportation Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1935.

SHARP, J. CECIL, Assistant Professor and Head, Air Condit. and Refrig. Dept., Utah State Agricultural College, Logan, Utah. 1949.

SHARPE, NORMAN, Head, Refrigeration and Air Conditioning Dept., California State Polytechnic College, San Luis Obispo, Calif. 1949.

SHATTUCK, EUGENE J., Instructor in Civil Engineering, Manhattan College, New York, N. Y. 1948.

SHAVER, ROBERT E., Head, Department of Civil Engineering, University of Kentucky, Lexington, Ky. 1943.

SHAW, CLYDE E., Head, Dept. of Electrical Engineering, Tri-State College, Angola, Ind. 1942.

SHAW, G. REED, Associate Professor of Geodesy and Transportation, Rensselaer Polytechnic Institute, Troy, N. Y. 1940.

SHAW, H. WALTER, Manager, Technical Education Department, McGraw-Hill Book Company, Inc., New York, N. Y. 1950.

SHEA, HERMAN J., Associate Professor of Civil Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass. 1947.

SHEA, JOSEPH F., Research Engineer, Bell Telephone Labs., Inc., Murray Hill, N. J. 1950.

SHECKELS, G. DALE, Associate Professor of Electrical Engineering, Montana State College, Bozeman, Mont. 1945.

SHEDD, JACK P., Instructor in Civil Engineering, Kansas State College, Manhattan, Kans. 1947.

SHEDD, PAUL C., Professor of Electrical Engineering, Newark College of Engineering, Newark, N. J. 1928.

SHEDD, THOMAS C., Professor of Structural Engineering, University of Illinois, Urbana, Ill. 1925.

SHEEHAN, WILLIAM M., Vice President, General Steel Castings Corp., Eddystone, Pa. 1945.

SHEFLOE, REUBEN E., Instructor in Electrical Engineering, Milwaukee School of Engineering, Milwaukee, Wis. 1950.

SHELDON, H. HORTON, Professor of Industrial Engineering, University of Miami, Coral Gables, Fla. 1947.

SHELDON, ROBERT C., Associate Professor of Civil Engineering, Ohio Northern University, Ada, Ohio. 1949.

SHELLEY, VAN C., Instructor in Engineering Drawing, Manhattan College, New York, N. Y. 1949.

SHELTON, EDGAR G., Professor of Civil Engineering, University of Tennessee, Knoxville, Tenn. 1947.

SHELTON, EDWARD E., Assistant Professor of Electrical Engineering, Syracuse University, Syracuse, N. Y. 1942.

SHENK, DONALD H., Chief, Engineering Gr. Research, Redstone Arsenal, Huntsville, Ala. 1928.

SHENTON, JAMES E., Instructor in Mechanical Engineering, Institute of Applied Arts & Sciences, State University of New York, Buffalo, N. Y. 1950.

SHEPARD, GEORGE M., Chief Engineer, Dept. of Public Works, 234 City Hall, St. Paul, Minn. 1947.

SHEPHERD, MARSHAL L., Instructor in Electrical Engineering Dept., U. S. Naval Academy, Annapolis, Md. 1944.

SHEPHERD, WILLIAM G., Professor of Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

SHEPPARD, H. S., Apparatus Staff Engineer, American Tel. & Tel. Co., Inc., 195 Broadway, New York, N. Y. 1914.

SHEPPERD, W. B., Associate Professor of Electrical Engineering, Pennsylvania State College, State College, Pa. 1943.

SHERLIN, GROVER C., JR., Hydraulic Engineer, National Bureau of Standards, Washington, D. C. 1949.

SHERLOCK, ROBERT H., Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. 1925.

SHERMAN, GEORGE W., JR., Professor of Chemical Engineering, Purdue University, Lafayette, Ind. 1929.

SHERMAN, KENNETH S., Assistant Professor of Electrical Engineering, Fenn College, Cleveland, Ohio. 1949.

SHERMAN, THEODORE A., Associate Professor of English, University of Idaho, Moscow, Idaho. 1950.

SHERMAN, VINCENT E., Mechanical Engineer, U. S. Naval Ordnance Laboratory, Washington 25, D. C. 1946.

SHERMAN, WARREN K., Associate Professor of Electrical Engineering and Architecture, Howard University, Washington, D. C. 1950.

SHERMAN, WILSON R., Comdr. USNR, Chief of Naval Operations, Navy Department, Washington, D. C. 1943.

SHERMER, CARL L., Assistant Professor of Civil Engineering, Michigan State College, East Lansing, Mich. 1950.

SHEERARD, EDWIN A., Assistant Professor of Mechanical Engineeering, Thayer School of Engineering, Hanover, N. H. 1947.

SHERWOOD, CALDER S., Associate Professor of Chemistry, William & Mary College, V.P.I., Norfolk, Va. 1946.

SHERWOOD, ROBERT S., Associate Professor of Mechanical Engineering, Iowa State College, Ames, Iowa. 1940.

SHERWOOD, THOMAS K., Dean of Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1946.

SHICK, WAYNE L., Instructor in General Engineering Drawing, University of Illinois, Urbana, Ill. 1950.

SHIDEMAN, EDWARD G., Associate Professor of Mechanical Engineering, Tri-State College, Angola, Ind. 1949.

SHIELDS, PAUL E., Assistant Professor of Electrical Engineering, Pennsylvania State College, State College, Pa. 1949.

SHIELS, KENNETH G., Professor of Drawing and Descriptive Geometry, University of Wisconsin, Madison, Wis. 1937.

SHIGLEY, JOSEPH E., Professor and Head, Dept. of Engineering Drawing and Design, Clemson Agricultural College, Clemson, S. C. 1942.

SHILTS, WALTER L., Head, Dept. of Civil Engineering, University of Notre Dame, Notre Dame, Ind. 1936.

SHINE, BARTHOLOMEW J., Professor of Structural Engineering, University of Cincinnati, Cincinnati, Ohio. 1943.

SHIPLEY, E. D., Asst. Director of Research and Development, Oak Ridge National Laboratory, Union Carbide & Carbon Chem. Corp., Oak Ridge, Tenn. 1941.

SHIRES, LUKE B., Professor of Chemical Engineering, New Mexico College of A. & M. Arts, State College, N. M. 1940.

SHIRLEY, DELBERT W., JR., Assistant Professor of Electrical Engineering, Oregon State College, Corvallis, Ore. 1950.

SHOBE, LOUIS R., Associate Professor of Civil Engineering, University of Tennessee, Knoxville 16, Tenn. 1947.

SHODRON, JOHN G., Assistant Professor of Civil Engineering, Marquette University, Milwaukee, Wis. 1950.

SHOOK, PAUL S., Assistant Planning Director, The F. & R. Lazarus Co., Columbus, Ohio. 1944.

SHOOP, CHARLES F., Professor of Mechanical Engineering, University of Minnesota, Minneapolis, Minn. *Life member.* 1906.

SHOREY, EDWIN R., Professor of Mining and Metallurgical Engineering, University of Wisconsin, Madison, Wis. 1948.

SHOREY, LAWRENCE F., Assistant Professor of Electrical Engineering, University of Vermont, Burlington, Vt. 1926.

SHORT, BYRON E., Professor of Mechanical Engineering, University of Texas, Austin, Texas. (*Member of Council, 1946–48.*) 1931.

SHORT, W. IRWIN, Professor of Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1934.

SHORT, WALTER E., Instructor in Engineering, Bradley University, Peoria, Ill. 1947.

SHOTTS, REYNOLD Q., Associate Professor of Mining Engineering, University of Alabama, University, Ala. 1947.

SHREVE, R. NORRIS, Professor of Chemical Engineering, Head, School of Chemistry and Metallurgical Engineering, Purdue University, Lafayette, Ind. 1930.

SHRUM, WAYNE, Representative, Publishing Dept., International Textbook Co., Indianapolis, Ind. 1949.

SHULMAN, HERMAN L., Assistant Professor of Chemical Engineering, Clarkson College, Potsdam, N. Y. 1948.

SHUMAKER, CLIFFORD H., Professor of Mechanical Engineering, Southern Methodist University, Dallas 5, Texas. 1943.

SHUMWAY, WALDO, Dean, Stevens Institute of Technology, Hoboken, N. J. 1947.

SHUPE, HOLLIE W., Professor of Engineering Drawing, The Ohio State University, Columbus 10, Ohio. 1946.

SHURRAGER, PHIL S., Professor and Chairman, Dept. of Psychology and Education, Illinois Institute of Technology, Chicago 16, Ill. 1947.

SHURTER, ROBERT L., Professor and Director, Humanistic-Social Division, Case Institute of Technology, Cleveland 6, Ohio. (*Member of Council, 1949–51.*) 1943.

SHUTTS, HERMAN A., Chairman, Mathematics Department, Fairmont State College, Fairmont, W. Va. 1948.

SIBERT, HAROLD W., Professor of Aeronautical Engineering, University of Colorado, Boulder, Colo. 1950.

SIBILA, KENNETH F., Professor and Head, Dept. of Electrical Engineering, University of Akron, Akron, Ohio. 1941.

SIDWELL, CARROLL V., Professor of Petroleum Production Engineering, University of Tulsa, Tulsa, Okla. 1950.

SIEBERT, CLARENCE A., Professor of Chemical and Metallurgical Engineering, University of Michigan, Ann Arbor, Mich. 1945.

SIEGEL, MARTIN J., Instructor in Mechanical Engineering, University of Dayton, Dayton, Ohio. 1948.

SIEGFRIED, ROBERT H., Assistant Professor of Engineering Drawing, Cornell University, Ithaca, N. Y. 1946.

SIEGFRIED, VICTOR, Chief Research Engineer, American Steel & Wire Co., Worcester 7, Mass. 1934.

SIEH, WAYNE D., Instructor in Machine Design, Kansas State College, Manhattan, Kans. 1947.

SIEKMAN, P. W., Assistant to Vice President, Operating Dept., Pennsylvania Power & Light Co., Allentown, Pa. 1949.

SIGERFOOS, CHARLES C., Associate Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1945.

SILBERG, SIDNEY S., Instructor of G. E. D., University of Illinois, Chicago, Ill. 1948.

SILER, HARRY K. 1948.

SILHA, HENRY W., Assistant Professor of Mechanical Engineering, University of Idaho, Moscow, Idaho. 1941.

SILKETT, ALBERT F., Instructor in Physics, University of Illinois, Navy Pier, Chicago 11, Ill. 1947.

SILVERMAN, LESLIE, Associate Professor of Industrial Hygiene, Harvard University, Cambridge, Mass. 1950.

SILVEY, O. W., Professor and Head, Dept. of Physics, A. & M. College of Texas, College Station, Tex. *Life member.* 1917.

SIMESTER, JOHN H., Associate Professor of Mathematics, University of Louisville, Louisville, Ky. 1930.

SIMMONS, ALLEN, Bridge Engineer, W. Va. State Road Commission, 363 Maple Ave., Morgantown, W. Va. 1942.

SIMMONS, EDWARD E., President, Fluid Log Corp., 455 S. Oakland Ave., Pasadena, Calif. 1948.

SIMON, GEORGE H., Associate Professor of Mechanical Engineering, Louisiana State University, University, La. 1935.

SIMONS, HOWARD P., Professor of Chemical Engineering, West Virginia University, Morgantown, W. Va. 1941.

SIMPSON, WILLIAM M., Professor and Chairman, Dept. of Aeronautical Engineering, University of Kansas, Lawrence, Kans. 1939.

SIMRALL, HARRY C., Professor and Acting Head, Dept. of Electrical Engineering, Mississippi State College, State College, Miss. 1936.

SIMS, ELLIS M., Professor of Mechanical Engineering, University of Oklahoma, Norman, Okla. 1937.

SIMS, HUGH D., Professor of Chemical Engineering, Bucknell University, Lewisburg, Pa. 1948.

SIMS, JAMES R., P. O. Box 266, University Station, Urbana, Ill. 1942.

SIMS, LELAND W., Director, Aeronautical Engineering, Aeronautical University, Inc., Chicago, Ill. 1947.

SINCLAIR, GEORGE, Associate Professor of Electrical Engineering, University of Toronto, Toronto, Canada. 1948.

SINGER, DAVID, Civil Engineer, Bureau of Bridge Design, Dept. of Public Works, New York, N. Y. 1949.

SINGER, FERDINAND L., Associate Professor of Engineering Mechanics, New York University, New York, N. Y. 1930.

SINGLETON, JOSEPH L., Vice President and Director of Sales, Allis-Chalmers Mfg. Co., Milwaukee, Wis. 1945.

SISKIND, ROBERT P., Professor of Electrical Engineering, Purdue University, Lafayette, Ind. 1938.

SITTERLEE, LAWRENCE J., Head, Electrical Technology Dept., New York State University, Institute of Applied Arts and Sciences, Utica, N. Y. 1949.

SITZ, EARL L., Professor of Electrical Engineering, Kansas State College, Manhattan, Kans. 1932.

SJZELOVE, OLIVER J., Professor and Exec. Assoc., Mgmt. & Personnel, Newark College of Engineering, Newark, N. J. 1941.

SKALAK, RICHARD, Associate in Civil Engineering, Columbia University, New York, N. Y. 1950.

SKAMSER, HAROLD P., Associate Professor of Engineering Drawing, Michigan State College, East Lansing, Mich. 1946.

SKELLEY, CHARLES L., Manager, Technical Book Dept., The Macmillan Company, 60 Fifth Avenue, New York 11, N. Y. 1940.

SKELTON, RUSSELL R., Professor of Civil Engineering, University of New Hampshire, Durham, N. H. 1936.

SKINNER, GEORGE W., Instructor in Dental Hygiene, New York State Institute of Applied Arts and Sciences, Buffalo, N. Y. 1949.

SKINNER, WILLIAM J., Assistant Professor of Mechanical Engineering, Cornell University, Ithaca, N. Y. 1947.

SKRODER, CARL E., Associate Professor of Electrical Engineering, University of Illinois, Urbana, Ill. 1944.

SKROMME, LAWRENCE H., Assistant Chief Engineer, Harry Ferguson, Inc., Detroit, Mich. 1949.

SLACK, EDGAR P., Professor of Physics, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1927.

SLACK, FRANCIS G., Professor of Physics, Vanderbilt University, Nashville 4, Tenn. 1925.

SLANTZ, FRED W., Professor and Head, Dept. of Graphics, Director of Placement, Lafayette College, Easton, Pa. 1930.

SLATER, KEITH H., Assistant Professor of Business, Evansville College, Evansville, Ind. 1950.

SLAUGHTER, GEORGE M., Instructor in Hydraulic Engineering, Louisiana State University, Baton Rouge, La. 1950.

SLAVIN, ABRAHAM, Adjunct Professor of Civil Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y., and Consulting Engineer and Architect, 30 Church St., New York 7, N. Y. 1949.

SLAVIN, WILLIAM A., Associate Professor of Electrical Engineering, Villanova College, Villanova, Pa. 1939.

SLAYMAKER, PHILIP K., Professor Emeritus of Machine Design and Engineering Mechanics, University of Nebraska, Lincoln, Nebr. *Life member.* 1910.

SLAYMAKER, ROBERT R., Professor of Machine Design, Case Institute of Technology, Cleveland, Ohio. 1937.

SLOAN, ROYAL D., Dean, College of Engineering, State College of Washington, Pullman, Wash. 1926.

SLOAN, WILLIAM A., Professor of Mechanical Engineering, University of Pennsylvania, Philadelphia, Pa. 1937.

SLOANE, ALVIN, Associate Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1927.

SLOANE, RICHARD L., Associate Professor of Civil Engineering, University of Utah, Salt Lake City 1, Utah. 1943.

SLONNEGER, ROBERT D., Instructor in Mechanical Engineering, University of Texas, Austin, Texas. 1948.

SMALL, ERIC H., Associate Professor of Electrical Engineering, University of Maryland, College Park, Md. 1938.

SMEDLEY, FRANCIS J., Assistant Professor of Mechanical Engineering, Seattle University, Seattle, Wash. 1950.

SMETANA, JAN, Professor of Engineering, Dean, Faculty of Civil Engineering, Technical University, Solinova, Praha XIX, Czechoslovakia. 1947.

SMILEY, FRANCIS E., Assistant Professor of Civil Engineering, Colorado School of Mines, Golden, Colo. 1947.

SMIRNOFF, MICHAEL V., Lecturer in Engineering, University of California, Los Angeles, Calif. 1949.

SMITH, ALBERT J., Instructor in Industrial Engineering, Ohio State University, Columbus, Ohio. 1949.

SMITH, ALLEN N., Assistant Professor of Chemical Engineering, University of Louisville, Louisville, Ky. 1949.

SMITH, AUSTEN J., Professor & Head, Metallurgical Engineering, Michigan State College, East Lansing, Mich. 1950.

SMITH, BERNARD, Assistant Professor of Civil Engineering, Lafayette College, Easton, Pa. 1949.

SMITH, BUFORD, Instructor in Electrical Engineering, University of Illinois, Urbana, Ill. 1949.

SMITH, BYRON D., Instructor in Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1948.

SMITH, CARL E., President, Cleveland Institute of Radio Electronics, Vice President in charge of Engineering, United Broadcasting Co., Cleveland, Ohio. 1947.

SMITH, CHARLES J., Assistant Professor of Civil Engineering, Pennsylvania State College, State College, Pa. 1946.

SMITH, DONALD E., Secretary-Treasurer, Alumni Association, Worcester Polytechnic Institute, Worcester, Mass. 1946.

SMITH, DUDLEY T., Associate Professor of Geology, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

SMITH, EARL B., Professor of Mechanical Engineering, Emeritus, College of City of New York, New York 31, N. Y. 1926.

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SMITH, ELLIOTT D., Provost, Carnegie Institute of Technology, Pittsburgh 13, Pa. 1928.

SMITH, ELMER G., Professor of Physics, A. & M. College of Texas, College Station, Texas. 1938.

SMITH, ELMER H., Research Engineer, Aeronautical Research Center, University of Michigan, Ann Arbor, Mich. 1948.

SMITH, ERNEST J., Vice President, Embry-Riddle Company; Executive Director, Embry-Riddle School of Aviation, Miami, Fla. 1948.

SMITH, FINLEY W., Associate Professor of Electrical Engineering, Lafayette College, Easton, Pa. 1933.

SMITH, FRANK H., Assistant Professor of Mechanism and Engineering Drawing, University of Michigan, Ann Arbor, Mich. 1939.

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SMITH, G. WALLACE, Professor and Head, Dept. of Engineering Mechanics, North Carolina State College, Raleigh, N. C. 1937.

SMITH, GEORGE B., Product Designer, Eastman Kodak Co., 343 State St., Rochester, N. Y. 1939.

SMITH, GEORGE E., Associate Professor of Engineering, Arlington State College, Arlington, Texas. 1949.

SMITH, GEORGE H., JR., Assistant to Dean of Engineering, Assistant Professor of Electrical Engineering, Fenn College, Cleveland, Ohio. 1947.

SMITH, GEORGE S., Professor of Electrical Engineering, University of Washington, Seattle, Wash. 1950.

SMITH, GERALD M., Instructor in Applied Mech., Kansas State College, Manhattan, Kans. 1949.

SMITH, H. HUNTER, Assistant Professor of Physics, Newark College of Engineering, Newark, N. J. 1947.

SMITH, HAROLD W., Instructor in Electrical Engineering, University of Texas, Austin, Texas. 1947.

SMITH, HARRY T., Instructor in Electrical Engineering, University of Louisville, Louisville, Ky. 1949.

SMITH, HENRY B., Professor of Chemical Engineering, Bucknell University, Lewisburg, Pa. 1949.

SMITH, HENRY J., Electronics Supv., Flight Test, Chance-Vought Aircraft, Dallas, Texas. 1945.

SMITH, HOMER P., Member of Laboratories Staff, Technical Employment Dept., Bell Telephone Labs., 463 West St., New York 14, N. Y. 1944.

SMITH, HOWARD G., Assistant to the Director and Professor of Electrical Engineering, Cornell University, Ithaca, N. Y. 1946.

SMITH, HOWARD M., JR., Associate Professor of Electrical Engineering, University of Vermont, Burlington, Vt. 1947.

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SMITH, J. F. DOWNIE, Dean & Director of Engineering, Iowa State College, Ames, Iowa. 1947.

SMITH, JACK M., Professor and Acting Director of Civil Engineering School, Georgia Institute of Technology, Atlanta, Ga. 1945.

SMITH, JAMES H., Associate Professor of Electrical Engineering, University of Nebraska, Lincoln 8, Nebr. 1940.

SMITH, JAMES H., Instructor in Mechanical Engineering, University of Florida, Gainesville, Fla. 1948.

SMITH, JAMES O., Professor of Mechanics, University of Illinois, Urbana, Ill. 1940.

SMITH, JOHN R., Assistant Professor of Civil Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

SMITH, JOSEPH M., Associate Professor of Chemical Engineering, Purdue University, Lafayette, Ind. 1946.

SMITH, JOSEPH S., Instructor in Electrical Engineering, New York University, New York, N. Y. 1948.

SMITH, JULIAN C., Associate Professor of Chemical Engineering, Cornell University, Ithaca, N. Y. 1948.

SMITH, KENNETH E., Assistant Professor and Acting Director, Department of Aeronautical Engineering, University of Detroit, Detroit, Mich. 1947.

SMITH, LEO F., Chairman, Educational Research, Rochester Institute of Technology, Rochester 8, N. Y. 1944.

SMITH, LEONARD C., Assistant Managing Editor, American Technical Society, Chicago, Ill. 1949.

SMITH, LINUS B., Professor and Chairman, Dept. of Architecture, University of Nebraska, Lincoln, Nebr. 1946.

SMITH, LISLE A., Assistant Dean of Engineering, Michigan State College, East Lansing, Mich. 1950.

SMITH, LLOYD W., Instructor in Surveying, Purdue University Extension, Indianapolis, Ind. 1948.

SMITH, MARION J., Professor of Electrical Engineering, Texas Technological College, Lubbock, Texas. 1949.

SMITH, MARION L., Assistant Professor of Mechanical Engineering, Ohio State University, Columbus, Ohio. 1948.

SMITH, OTTO J. M., Associate Professor of Electrical Engineering, University of California, Berkeley 4, Calif. 1942.

SMITH, OTTO M., Professor and Head, Department of Chemical Engineering, and Director of Research Foundation, Oklahoma A. & M. College, Stillwater, Okla. 1940.

SMITH, PAUL C., Associate Professor of Electrical Engineering, University of Akron, Akron, Ohio. 1925.

SMITH, RALPH A., Instructor in Mechanical Engineering, Tufts College, Medford 55, Mass. 1922.

SMITH, RALPH J., Professor and Head, Engineering Dept., San Jose State College, San Jose, Calif. 1948.

SMITH, RAYMOND V., Instructor in Mechanical Engineering, Colorado School of Mines, Golden, Colo. 1950.

SMITH, REUEL L., Professor of Mechanical Engineering, University of Cincinnati, Cincinnati 21, Ohio. 1945.

SMITH, RICHARD E., Assistant Professor of Engineering and Head, Vanport Extension Center, Portland, Ore. 1948.

SMITH, ROBERT C., Instructor in Mechanics, West Virginia University, Morgantown, W. Va. 1948.

SMITH, ROBERT H., Research Associate, Aeronautical Engineering, University of Washington, Seattle, Wash. 1950.

SMITH, ROGER K., Associate Professor of Mechanical Engineering, University of Buffalo, Buffalo, N. Y. 1939.

SMITH, ROY V., Lecturer in Mechanical Engineering, University of Southern California, Los Angeles, Calif. 1947.

SMITH, RUSSELL J., Associate Professor and Head, Dept. of Mechanics, Marquette University, Milwaukee, Wis. 1946.

SMITH, S. ROSCOE, Associate Professor of Mathematics, University of Wyoming, Laramie, Wyo. 1939.

SMITH, STANLEY A., Chairman, Dept. of Architectural Engineering, State College of Washington, Pullman, Wash. (*Member of Council, 1950–52.*) 1947.

SMITH, STEELE B., Instructor in Engineering Drawing, University of Illinois, Navy Pier, Chicago, Ill. 1947.

SMITH, THOMAS C., Assistant Professor of Science and Mathematics, Phillips University, Enid, Okla. 1947.

SMITH, W. CONLEY, Associate Professor of Electrical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1943.

SMITH, W SHERMAN, Assistant Dean of Engineering and Associate Professor of Civil Engineering, University of Toledo, Toledo 6, Ohio. 1930.

SMITH, WILLIAM P., Associate Professor of Electrical Engineering, University of Kansas, Lawrence, Kans. 1947.

SMOCK, DALE O., Assistant Professor of Electrical Engineering, Grove City College, Grove City, Pa. 1948.

SMUTZ, F. A., Professor of Engineering Drawing and Descriptive Geometry, Kansas State College, Manhattan, Kans. 1936.

SMYTH, WILLIAM I., Professor of Metallurgy and Mining, University of Nevada, Reno, Nev. 1950.

SNADER, DAVID L., Head, Dept. of Civil Engineering, Norwich University, Northfield, Vt. 1948.

SNEED, CARL M., Assistant Professor of Mechanical Engineering, University of Missouri, Columbia, Mo. 1950.

SNELGROVE, ALFRED K., Head, Dept. of Geological Engineering, Michigan College of M. & T., Houghton, Mich. 1943.

SNIDER, MIKE, Assistant Professor of Mechanical Engineering, University of Notre Dame, Notre Dame, Ind. 1948.

SNIVELY, L. CLIFTON, Assistant Professor of Engineering Mathematics, University of Colorado, Boulder, Colo. 1946.

SNIVELY, SPRAGUE F., Instructor in Building Construction, Pennsylvania State College, Dravosburg, Pa. 1949.

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SNOW, WILLIAM B., Associate Professor of Civil Engineering, Duke University, Durham, N. C. 1949.

SNOWDEN, JAMES R., Instructor in T. A. M. Mechanics, University of Illinois, Urbana, Ill. 1947.

SNYDER, HERMAN, Instructor in Mechanical Engineering, Newark College of Engineering, Newark, N. J. 1947.

SNYDER, I. STERLING, Designer, Hardesty & Hanover, 101 Park Ave., New York, N. Y. 1947.

SNYDER, JOHN S., Assistant Vice President, Editorial Dept., John Wiley & Sons, Inc., 440 Fourth Ave., New York 16, N. Y. 1943.

SNYDER, MELVIN H., JR., Assistant Professor and Head, Division of Aeronautical Engineering, University of Wichita, Wichita, Kans. 1948.

SNYDER, PAUL C., Head, Tool Engineering Department, Sinclair College, Dayton, Ohio. 1947.

SNYDER, WARREN E., Associate Professor & Chairman of Mechanical Engineering, University of Kansas, Lawrence, Kans. 1947.

SOBEY, ALBERT, President Emeritus and Consultant, General Motors Institute, Flint, Mich. 1923.

SODERBERG, C. RICHARD, Head, Department of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1943.

SODERBERG, LAURENCE D., Instructor in Mechanical Engineering, University of Wyoming, Laramie, Wyo. 1949.

SODERSTROM, E. D., Associate Professor of Engineering Shop, Oklahoma A. & M. College, Stillwater, Okla. 1940.

SOELLNER, ROY O., Educational Director, Central Radio and Television Schools, Kansas City, Mo. 1949.

SOFIANOPOULOS, ATHANASE J., Professor of Chemical Engineering, University of Dayton, Dayton 9, Ohio. 1948.

SOHON, HARRY, Assistant Professor of Electrical Engineering, University of Pennsylvania, Philadelphia, Pa. 1942.

SOIYA, GEORGE W., Mechanical Engineering, Clearing Machine, Chicago 38, Ill. 1948.

SOLBERG, HARRY L., Head, School of Mechanical Engineering, Purdue University, Lafayette, Ind. 1924.

SOLER, ANTONIO C., Professor and Head, Dept. of Civil Engineering, University of Puerto Rico, Mayaguez, P. R. 1948.

SOLLENBERGER, NORMAN J., Senior Design Engineer, Bridge Div., John A. Roebling's Sons Co., c/o La Casa Castro San Salvador, El Salvador, Central America. 1936.

SOLLENBERGER, R. CLEM, Executive Vice President, Conveyor Association, 1129 Vermont Ave., N.W., Washington 5, D. C. 1945.

SOLNICK, ROBERT L., Instructor in Mechanical Engineering, Syracuse University, Syracuse, N. Y. 1950.

SOLT, MARVIN R., Associate Professor of Mathematics, University of New Hampshire, Durham, N. H. 1931.

SOMMERMAN, GEORGE M. L., Associate Professor of Electrical Engineering, Northwestern University, Evanston, Ill. 1947.

SONESON, PHILLIP E., Associate Professor of Architectural Engineering, Purdue University, Lafayette, Ind. 1948.

SONNEMAN, GEORGE, Assistant Professor of Aeronautical Engineering, Drexel Institute of Technology, Philadelphia 4, Pa. 1948.

SONNENSCHEIN, CARL L., Instructor in Mechanical Engineering, University of Illinois, Urbana, Ill. 1950.

SORENSEN, E. P., President, Utilities Engineering Institute, 2525 N. Sheffield Ave., Chicago, Ill. 1943.

SORENSEN, HARRY A., Professor of Mechanical Engineering, Washington State College, Pullman, Wash. 1938.

SORENSEN, ROYAL W., Professor of Electrical Engineering, California Institute of Technology, Pasadena 4, Calif. (*Vice President, 1939–40; Member of Council, 1937–40.*) 1912.

SORENSON, ALFRED E., Associate Professor of Mechanical Engineering, Princeton University, Princeton, N. J. 1931.

SOSLOWSKI, THADDEUS P., Instructor in Electrical Engineering, University of Dayton, Dayton, Ohio. 1947.

SOUTHER, JAMES W., Instructor, Humanistic-Social Dept., University of Washington, Seattle, Wash. 1950.

SOUTHWORTH, RAYMOND W., Assistant Professor of Chemical Engineering, Yale University, New Haven, Conn. 1950.

SOVRAN, GINO, Instructor in Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

SOWERS, GEORGE F., Associate Professor of Civil Engineering, Georgia Institute of Technology, Atlanta, Ga. 1947.

SOWERS, OSSA R., Instructor in Design, Brooklyn College, Brooklyn, N. Y. 1950.

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SPAFFORD, W. FRANKLIN, Head, Dept. of Economics, Management, and History, Rensselaer Polytechnic Institute, Troy, N. Y. 1941.

SPAGNUOLO, JOSEPH E., Associate Professor of Architectural Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1939.

SPAHN, GEORGE J., Assistant Professor of Civil Engineering, University of Dayton, Dayton, Ohio. 1949.

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SPALDING, FRED L., Assistant Professor of Engineering Drawing, Rose Polytechnic Institute, Terre Haute, Ind. 1947.

SPANGENBERG, KARL R., Professor of Electrical Engineering, Stanford University, Stanford, Calif. 1945.

SPANGLER, MERLIN G., Research Professor of Civil Engineering, Iowa State College, Ames, Iowa. 1950.

SPARKS, LESLIE M., District Representative, Columbus-Purdue Center, Columbus, Ind. 1949.

SPARKS, NORMAN R., Professor and Head, Dept. of Mechanical Engineering, The Pennsylvania State College, State College, Pa. 1946.

SPARROW, THERON A., Professor of Mechanical Engineering, University of Maine, Orono, Maine. 1948.

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SPENCER, GEORGE E., Professor of Agricultural Engineering, Purdue University, Lafayette, Ind. 1947.

SPENCER, HENRY C., Professor and Director, Dept. of Technical Drawing, Illinois Institute of Technology, Chicago 16, Ill. (*Member of Council, 1950–52.*) 1931.

SPENCER, HERBERT L., Executive Director, S. H. Kress Foundation, New York, N. Y. 1942.

SPENCER, PAUL L., Assistant Professor of Electrical Engineering, Purdue University, Lafayette, Ind. 1948.

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SPENNER, FRANK J., Assistant Professor of Engineering Drawing, University of Wyoming, Laramie, Wyo. 1943.

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SPEWACHEK, ERWIN G., Instructor in General Engineering, Marquette University, Milwaukee, Wis. 1950.

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SPILHAUS, ATHELSTAN F., Dean, Institute of Technology, University of Minnesota, Minneapolis, Minn. 1949.

SPINNEY, LOUIS B., Professor of Physics, Iowa State College, Ames, Iowa. 1899.

SPITZER, CHARLES F., Assistant Professor of Electrical Engineering, Yale University, New Haven, Conn. 1945.

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STACE, F. N., Editor, *New Zealand Electrical Journal*, P. O. Box 1572, Wellington, C 1, N. Z. 1939.

STAFFORD, ALFRED B., Assistant Professor of Engineering Drawing, University of Wyoming, Laramie, Wyo. 1948.

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STAINTON, ROBERT S., Associate Professor of Industrial Engineering, Case Institute of Technology, Cleveland 6, Ohio. 1941.

STAIR, WILLIAM K., Assistant Professor of Mechanical Engineering, University of Tennessee, Knoxville, Tenn. 1950.

STAMPS, THOMAS D., Professor of Military Engineering, U. S. Military Academy, West Point, N. Y. 1947.

STANISZEWSKI, FELIX P., Instructor in Electrical Engineering, University of Buffalo, Buffalo, N. Y. 1950.

STANLEY, JOSEPH E., Instructor in General Engineering, University of Southern California, Los Angeles 7, Calif. 1948.

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STANLEY, ROBERT L., Associate Professor of Engineering Research, Engineering Experiment Station, Pennsylvania State College, State College, Pa. 1942.

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STAPLEY, EDWARD R., Dean of Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1926.

STARK, SIGRID, Instructor in English, Purdue University Extension, Hammond, Ind. 1948.

STARKWEATHER, ERNEST R., Institute in Metallurgical Engineering, Institute of Applied Arts & Sciences, State University of New York, Buffalo, N. Y. 1950.

STARNES, DEWEY E., Coordinator of Graduate Training, Naval Ordnance Laboratory, Washington, D. C. 1948.

STARR, CHARLES J., Assistant Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1921.

STARR, ERNEST W., Professor and Head, Dept. of Electrical Engineering, Cooper Union, New York, N. Y. 1948.

STARR, MILLARD O., Instructor of Apprentices, American Locomotive Co., Schenectady, N. Y. 1938.

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STAVNES, SEGWARD A., Instructor in Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1947.

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STEELE, THEODORE K., Instructor in Mechanical Engineering, New York University, New York, N. Y. 1949.

STEELE, WESTBROOK, President, Institute of Paper Chemistry, 130 No. Green Bay, Appleton, Wis. 1945.

STEEN, G. PERRY. 1947.

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STEFANI, LUIS, Vice Chancellor, College of Agriculture and Mechanic Arts, University of Puerto Rico, Mayaguez, P. R. 1947.

STEFFENS, LOUIS A., Instructor in Engineering Drawing, University of Cincinnati, Cincinnati, Ohio. 1948.

STEIDEL, ROBERT F., JR., Instructor in Mechanical Engineering, Oregon State College, Corvallis, Ore. 1950.

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STELLA, HECTOR. 1947.

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STENGER, ROBERT R., Instructor in Mechanical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

STENIS, TOM B., Assistant Professor of Electrical Engineering, Texas Technological College, Lubbock, Texas. 1947.

STENSAAS, ELDEN R., Professor and Head, Dept. of Mechanical Engineering, South Dakota School of Mines and Technology, Rapid City, S. D. 1947.

STEPHAN, ERICH R., Associate Professor of Mechanical Engineering, University of Connecticut, Storrs, Conn. 1938.

STEPANEK, JOSEPH E., Research Engineer, Industrial Research Institute, University of Denver, Denver, Colo. 1946.

STEPHANS, C. H., Associate Professor, Management and Personnel Dept., Newark College of Engineering, Newark, N. J. 1943.

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STEPHENSON, RICHARD, Senior Design Engineer, Oak Ridge National Laboratory, Oak Ridge, Tenn. 1947.

STEPHENSON, SEYMOUR T., Professor of Physics, The State College of Washington, Pullman, Wash. 1949.

STERLING, GUSTAVE R., Dean, School of Engineering, University of Havana, Havana, Cuba. 1945.

STERN, HARRY, Assistant Professor of Chemical Engineering, Washington State College, Pullman, Wash. 1950.

STERN, PETER, Instructor in Mechanics, Milwaukee School of Engineering, Milwaukee, Wis. 1950.

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STEVEN, JAMES R., Assistant Professor of Civil Engineering, City College of New York, New York, N. Y. 1949.

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STEVENS, ROE L., Associate Professor of Bridge and Structural Engineering, Illinois Institute of Technology, Chicago, Ill. 1937.

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STEVENSON, MERLON L., Head, Mathematics and Physical Science Division, Weber College, Ogden, Utah. 1943.

STEVENSON, WILLIAM D., JR., Associate Professor of Electrical Engineering, North Carolina State College, Raleigh, N. C. 1941.

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STEWART, EARLE H., Assistant Professor of Engineering Drawing, Michigan State College, East Lansing, Mich. 1925.

STEWART, GEORGE W., Professor of Physics, State University of Iowa, Iowa City, Iowa. *Life member.* 1910.

STEWART, JAMES W., Head, School of Mines, University of Alabama, University, Ala. 1939.

STEWART, LOWELL O., Professor and Head, Dept. of Civil Engineering, Iowa State College, Ames, Iowa. (*Member of Council, 1950–52.*) 1927.

STEWART, PAUL B., Assistant Professor of Chemical Engineering, University of Southern California, Los Angeles, Calif. 1950.

STEWART, RICHARD B., Assistant Professor of Mechanical Engineering, University of Colorado, Boulder, Colo. 1950.

STEWART, V. T., Professor of Chemical Engineering, Newark College of Engineering, Newark 2, N. J. 1923.

STEYER, CARL C., Instructor in Engineering Mechanics, University of Texas, Austin, Texas. 1950.

STIEMKE, ROBERT E., Director, School of Civil Engineering, Georgia Institute of Technology, Atlanta, Ga. 1943.

STIENING, FRANK H., Sales Manager, Refrigeration Dept., Hamburg Brothers, Pittsburgh, Pa. 1940.

STILES, ARTHUR M., Assistant Professor of Electrical Engineering, University of Denver, Denver 10, Colo. 1948.

STILES, WILLIAM B., Associate Director, Engineering Experiment Station, University of Arkansas, Fayetteville, Ark. 1938.

STILL, A. JOHN, Associate Professor of Chemical Engineering, University of Alabama, University, Ala. 1948.

STILLMAN, DONALD G., Professor and Head, Dept. of Liberal Studies, Clarkson College of Technology, Potsdam, N. Y. 1949.

STILLWELL, HENRY S., Professor and Head, Dept. of Aeronautical Engineering, University of Illinois, Urbana, Ill. 1944.

STINSON, KARL W., Professor of Mechanical Engineering, The Ohio State University, Columbus 10, Ohio. 1924.

STINSON, SAMUEL T., Acting Head, Dept. of Engineering, Marshall College, Huntington, W. Va. 1946.

STITZ, ERWIN O., Professor of Engineering Mechanics, Purdue University, Lafayette, Ind. 1942.

STOCK, ORION L., Professor of Engineering Drawing, Rose Polytechnic Institute, Terre Haute, Ind. 1929.

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STOCKHAUSEN, PAUL G., Assistant Professor of Philosophy and Regent of the College of Engineering, Marquette University, Milwaukee, Wis. 1949.

STOCKING, ERNEST J., Assistant Chief, Examining and Placement Division, U. S. Civil Service Commission, Washington, D. C. 1939.

STOCKLAND, LEO, Head, Physics Dept., Milwaukee School of Engineering, Milwaukee, Wis. 1950.

STODDARD, ROBERT J., Chief Engineer, American Hoist & Derrick Co., 63 S. Robert St., St. Paul 1, Minn. 1947.

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STOKER, WARREN C., Associate Professor of Electrical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

STOLARIK, EUGENE, Associate Professor of Aeronautical Engineering, University of Minnesota, Minneapolis, Minn. 1948.

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STOLPER, EDWIN F., Instructor in Engineering Mechanics, New York University, New York 53, N. Y. 1947.

STOLWORTHY, EDWARD H., Associate Professor of Mechanical Engineering, University of New Hampshire, Durham, N. H. 1923.

STONE, LOUIS N., Assistant Professor of Electrical Engineering, Oregon State College, Corvallis, Ore. 1949.

STONE, OLIVER M., Associate Professor of Engineering Drawing, Case Institute of Technology, Cleveland, Ohio. (*Member of Council, 1947–49.*) 1928.

STONE, ORVILLE N., Instructor in Mechanical Engineering, Fenn College, Cleveland, Ohio. 1950.

STONE, RICHARD G., Assistant Professor of Mechanical Engineering, University of Denver, Denver, Colo. 1947.

STONE, WALKER G., Editor, *Engineering Sciences*, Editorial Dept., John Wiley and Sons, Inc., New York, N. Y. 1948.

STONE, WILLIAM D., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

STONEKING, CHARLES E., Assistant Professor of Architectural Engineering, University of New Mexico, Albuquerque, N. M. 1948.

STOPPEL, ARTHUR E., Associate Professor of Chemical Engineering, University of Minnesota, Minneapolis 14, Minn. 1947.

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STOUT, THOMAS M., Instructor in Electrical Engineering, University of Washington, Seattle, Wash. 1948.

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SULLIVAN, WILLIAM F. 1949.

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SUMMERS, LOWELL P., Instructor in Aeronautics, Utah State Agricultural College, Logan, Utah. 1949.

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SUTTIE, ROSCOE H., Professor of Civil Engineering, Yale University, New Haven, Conn. 1912.

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SWEENEY, JAMES W. 1948.

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SWEET, ISRAEL, Assistant Professor of English, Pratt Institute, Brooklyn, N. Y. 1947.

SWEET, ROBERT L., Associate Professor of Metallurgical Engineering, Michigan State College, East Lansing, Mich. 1950.

SWEETEN, EARLE C., Placement Director, University of Pennsylvania, Philadelphia, Pa. 1948.

SWEETSER, E. O., William Palm Professor of Civil Engineering, Washington University, St. Louis, Mo. 1910.

SWEIGERT, RAY L., Dean, Division of Graduate Studies, Georgia Institute of Technology, Atlanta, Ga. (*Member of Council, 1936–39.*) 1929.

SWENSON, GEORGE W., Professor and Head, Department of Electrical Engineering, Michigan College of Mining and Technology, Houghton, Mich. 1928.

SWENSON, GEORGE W., JR., Instructor in Electrical Engineering, University of Wisconsin, Madison, Wis. 1948.

SWENSON, JOHN D., Professor of Mechanical Engineering, University of Massachusetts, Amherst, Mass. 1946.

SWIFT, JAMES L., Instructor in Manufacturing Processes, Pratt Institute, Brooklyn, N. Y. 1950.

SWIFT, ROY E., Mackay School of Mines, University of Nevada, Reno, Nev. 1940.

SWINEFORD, CHARLES R. 1935.

SWINK, CLYDE W., Instructor in Engineering, University of Louisville, Louisville, Ky. 1949.

SWINK, EARL T., Associate Professor of Agricultural Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1950.

SYLVESTER, ROBERT O., Assistant Professor of Civil Engineering, University of Washington, Seattle, Wash. 1949.

SZCZEPANIAK, EDWARD A., Instructor in Aeronautical Engineering, University of Detroit, Detroit, Mich. 1948.

SZCZERBACKI, STEVE, Instructor in Mechanical Engineering, Detroit Institute of Technology, Detroit, Mich. 1948.

SZEBEHELY, VICTOR G., Associate Professor of Applied Mechanics, Virginia Polytechnic Institute, Blacksburg, Va. 1948.

SZYMANSKI, EDWARD A., Assistant Professor of Electrical Engineering, Wayne University, Detroit, Mich. 1949.

TAECKER, ROLLIN G., Associate Professor of Chemical Engineering, Kansas State College, Manhattan, Kans. 1948.

TAFT, FREDERICK L., Associate Professor of Languages, Case Institute of Technology, Cleveland, Ohio. 1949.

TAIT, RALPH S., Associate Professor of Mechanical Engineering, University of Kansas, Lawrence, Kans. 1921.

TAN, VIDAL A., President, Far Eastern University, Manila, P. I. 1948.

TANG, K. Y., Professor of Electrical Engineering, The Ohio State University, Columbus 10, Ohio. 1928.

TAPPAN, FRANK G., Boyd Professor of Electrical Engineering, University of Oklahoma, Norman, Okla. 1921.

TAPY, RALPH W., Professor and Head, Dept. of Electrical Engineering, University of New Mexico, Albuquerque, N. M. 1934.

TARBOUX, JOSEPH G., Professor and Assistant Director, School of Electrical Engineering, Cornell University, Ithaca, N. Y. 1943.

TARPLEY, HAROLD I., Professor of Electrical Engineering, The Pennsylvania State College, State College, Pa. 1934.

TATE, MANFORD B., Associate Professor in Civil Engineering, University of Missouri, Columbia, Mo. 1943.

TATNALL, FRANCIS G., Manager, Testing Research Department, Baldwin Locomotive Works, Philadelphia 42, Pa. 1935.

TATUM, FINLEY W., Professor of Electrical Engineering, Southern Methodist University, Dallas, Texas. 1947.

TAULBEE, PRESTON L., Physicist, Rand Corp., Santa Monica, Calif. 1944.

TAUXE, GEORGE J., Lecturer in Engineering, University of California, Los Angeles 24, Calif. 1947.

TAYLOR, ALBERT L., Dean, School of Engineering, Head, Dept. of Electrical Engineering, University of Utah, Salt Lake City, Utah. 1938.

TAYLOR, ALEXANDER O., Associate Professor and Director, Engineering Extension, Alabama Polytechnic Institute, Auburn, Ala. 1949.

TAYLOR, ALTON D., Associate Professor of Engineering, University of Rochester, Rochester, N. Y. 1936.

TAYLOR, BRITTON M., Training Supervisor, Engineering Dept., E. I. duPont de Nemours & Co., Wilmington, Del. 1949.

TAYLOR, CHARLES D., Instructor in Civil Engineering, University of Delaware, Newark, Del. 1949.

TAYLOR, CLARENCE N., Instructor in Mechanical Engineering, University of Houston, Houston, Texas. 1949.

TAYLOR, CRAIG L., Associate Professor of Engineering, University of California, Los Angeles, Calif. 1947.

TAYLOR, CYRUS B., Acting Head of Mechanic Arts, Lincoln University, Jefferson City, Mo. 1947.

TAYLOR, DELOS C., Associate Professor of Applied Mechanics, Kansas State College, Manhattan, Kans. 1932.

TAYLOR, DONALD W., Associate Professor of Soil Mechanics, Massachusetts Institute of Technology, Cambridge, Mass. 1937.

TAYLOR, EDWARD H., Assistant Professor of Engineering, University of California at Los Angeles, Calif. 1947.

TAYLOR, EDWIN J., JR., Dean, College of Applied Science, Ohio University, Athens, Ohio. 1947.

TAYLOR, FRANCIS M., Professor and Head, Dept. of Chemical Engineering, Tulane University, New Orleans 15, La. 1939.

TAYLOR, FRANK M., Associate Professor of Civil Engineering, University of Maine, Orono, Maine. 1941.

TAYLOR, GEORGE A., Assistant Professor of Engineering and Management, Thayer School, Dartmouth College, Hanover, N. H. 1949.

TAYLOR, GEORGE Y., Director of Education, American Locomotive Company, Schenectady, N. Y. 1949.

TAYLOR, JAMES A., Professor of Chemical and Metallurgical Engineering, Wayne University, Detroit, Mich. 1949.

TAYLOR, K. AUSTIN, Director of Research, International Paper Company, Glen Falls, N. Y. 1949.

TAYLOR, KARL V., Head, Embankment and Foundation Section, Department of the Army Corps of Engineers, Kansas City, Mo. 1943.

TAYLOR, THOMAS T., Research Physicist, Electronics, Hughes Aircraft Company, Culver City, Calif. 1949.

TAYLOR, WALTER A., Director, Dept. Education and Research, American Institute of Architects, 1741 New York Ave., N.W., Washington 6, D. C. 1946.

TAYLOR, WARREN C., Professor of Civil Engineering, Union College, Schenectady, N. Y. 1913.

TAYLOR, WENDELL S., Assistant Professor of Mechanical Engineering, University of Oklahoma, Norman, Okla. 1946.

TAYLOR, WILLIAM C., JR., Assistant Professor of Engineering and Mathematics, University of Tennessee Junior College, Martin, Tenn. 1948.

TAYLOR, WILLIAM H., Professor and Head, Dept. of Drawing, University of Alabama, University, Ala. 1942.

TCHOU, MARIO W. 1948.

TEA, PETER L., Associate Professor of Drafting, College of the City of New York, New York, N. Y. 1935.

TEARE, B. RICHARD, JR., Head, Dept. of Electrical Engineering, Carnegie Institute of Technology, Pittsburgh 13, Pa. *Second Recipient, George Westinghouse Award (1947).* 1933.

TEASDALE, ARTHUR R., Assistant Professor of Electrical Engineering, University of Texas, Austin, Texas. 1948.

TEFFEAU, GEORGE K., Dean, University of Hollywood, Hollywood, Calif. 1950.

TEGTMEYER, RAY C., Assistant Professor of Mechanical Engineering, University of Wisconsin, Madison, Wis. 1948.

TEICHMANN, F. K., Professor and Chairman, Dept. of Aeronautical Engineering, New York University, New York, N. Y. 1930.

TELLER, AARON J., Acting Chairman and Assistant Professor of Chemical Engineering, Fenn College, Cleveland, Ohio. 1948.

TEMLITZ, RICHARD L., Lecturer in Engineering Drawing, University of Buffalo, Buffalo, N. Y. 1948.

TEMPLE, EDWARD H., Box 118, North Woodstock, N. H. 1938.

TENNEY, EDWARD A., Dean and Professor of English, Ripon College, Ripon, Wis. 1939.

TERMAN, FREDERICK E., Dean, School of Engineering, Professor of Electrical Engineering, Stanford University, Stanford, Calif. (*Vice President, 1949–51.*) 1945.

TERRELL, CARROLL F., Instructor in English, University of Maine, Orono, Me. 1950.

TERRELL, DANIEL V., Dean of Engineering, University of Kentucky, Lexington 29, Ky. 1917.

TERRELL, WENDELL P., Mechanical Engineer, National Bureau of Standards, Washington 25, D. C. 1944.

TERRY, PAUL M., Manager, Personnel, C. F. Braun & Co., Alhambra, Calif. 1949.

TERWILLIGER, C. V. O., Professor and Head, Dept. of Electrical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1924.

TERWILLIGER, CARROLL F., Manager, Technical Recruiting Div., Executive Dept., General Electric Co., Schenectady, N. Y. 1949.

TESS, PAUL J., Assistant Professor of Mechanical Engineering, Edinboro State Teachers College, Edinboro, Pa. 1946.

THALER, GEORGE J., Assistant Professor of Electrical Engineering, University of Notre Dame, Notre Dame, Ind. 1949.

THATCHER, ROMEYN Y., Professor of Civil Engineering, Cornell University, Ithaca, N. Y. 1934.

THEAKSTON, HAROLD R., Professor and Head, Dept. of Engineering, Dalhousie University, Halifax, N. S., Canada. 1946.

THEISS, E. S., Assistant Chief Engineer, Davey Compressor Co., Kent, Ohio. 1939.

THEROUX, FRANK R., Professor of Civil Engineering, Michigan State College, East Lansing, Mich. 1938.

THEURER, ELLEN K. 1943.

THIOPEN, JOSEPH J., Assistant Professor of Mechanical Engineering, Louisiana Polytechnic Institute, Ruston, La. 1948.

THODE, EDWARD F., Associate Professor of Chemical Engineering, University of Maine, Orono, Maine. 1948.

THOM, GEORGE B., Professor and Head, Mechanical Engineering Dept., Newark College of Engineering, Newark, N. J. 1935.

THOMAS, ALBERT L., Professor and Acting Head, Dept. of Engineering Drawing and Design, Alabama Polytechnic Institute, Auburn, Ala. 1928.

THOMAS, C. DELMAR, Professor and Head, Department of Physics, University of Tulsa, Tulsa 4, Okla. 1946.

THOMAS, CHARLES F., Professor of Mathematics, Emeritus, Case Institute of Technology, Cleveland, Ohio. *Life member.* 1909.

THOMAS, D. BOYD, Professor of Mathematics, Apprentice School, Newport News Shipbuilding & Dry Dock Co., Newport News, Va. 1938.

THOMAS, DAVID, Staff Man, Personnel, Goodyear Tire and Rubber Co., Akron, Ohio. 1948.

THOMAS, EUGENE M., Dean of Engineering, Texas Western College, El Paso, Texas. 1944.

THOMAS, FRANKLIN, Professor of Civil Engineering, California Institute of Technology, Pasadena 4, Calif. 1914.

THOMAS, FREDERICK H., Professor and Head, Dept. of Industrial Engineering, University of Buffalo, Buffalo 14, N. Y. 1926.

THOMAS, GEO. B., Director of Industrial Relations, Los Alamos Scientific Laboratory, Los Alamos, N. M., Retired. (Home: 78 Chestnut St., Maplewood, N. J.) 1911.

THOMAS, GILBERT D., Associate Professor of Industrial Engineering, The Pennsylvania State College, State College, Pa. 1937.

THOMAS, JACK V., Associate Professor of Industrial Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1949.

THOMAS, JOHN H., Assistant Professor of Mechanical Engineering, University of Oklahoma, Norman, Okla. 1947.

THOMAS, JOSEPH D., Assistant Professor of English, The Rice Institute, Houston, Texas. 1950.

THOMAS, JOSEPH S., Technical Personnel Manager, Central Industrial Relations Dept., Westvaco Chem. Div., Food Machinery & Chem. Corp., New York, N. Y. 1949.

THOMAS, LUTHER W., Assistant Professor of General Engineering, Purdue University, Lafayette, Ind. 1939.

THOMAS, MELVIN A., Dean, School of Engineering, Head, Electrical Engineering, Dept., New Mexico College of A. & M. Arts, State College, N. M. 1934.

THOMAS, NEIL D., Associate Professor of Engineering Drawing, Ohio University, Athens, Ohio. 1943.

THOMAS, PETER, Instructor in Mechanical Engineering, Pratt Institute, Brooklyn, N. Y. 1948.

THOMAS, THEODOR W., Associate Professor of Civil Engineering, University of Minnesota, Minneapolis, Minn. 1950.

THOMAS, WALTER E., Instructor in General Engineering, Purdue University, Lafayette, Ind. 1948.

THOMAS, WILEY, JR., Coordinator, College of Engineering, University of Tennessee, Knoxville, Tenn. 1948.

THOMAS, WILLIAM A., Associate Professor of Electrical Engineering, Case Institute of Technology, Cleveland, Ohio. 1949.

THOMEN, JACOBO A., Professor, University of Santo Domingo, Socorro Sanchez 17, Ciudad Trujillo, Dominican Rep., W. I. 1945.

THOMFORDE, CLIFFORD J., Assistant Professor of Electrical Engineering, 189 Bessie St., Crookston, Minn. 1947.

THOMPSON, A. RALPH, Assistant Professor of Chemical Engineering, University of Pennsylvania, Philadelphia, Pa. 1949.

THOMPSON, CHARLES B., Assistant Professor, Civil Engineering, University of New Mexico, Albuquerque, N. M. 1948.

THOMPSON, CHARLES H., Assistant Professor of Technical Training, Oklahoma A. & M. College, Stillwater, Okla. 1948.

THOMPSON, DUDLEY, Assistant Professor of Chemical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1946.

THOMPSON, EVERETT D., Instructor in Engineering Mechanics, University of Arkansas, Fayetteville, Ark. 1950.

THOMPSON, FRANKLIN H., Lecturer in Engineering Design, University of California, Berkeley, Calif. 1946.

THOMPSON, FREDERICK W., Assistant Professor of Electrical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1950.

THOMPSON, H. LOREN, Consulting Engineer and Partner, Stevens & Koon, 1204 Spalding Bldg., Portland 4, Ore. 1939.

THOMPSON, HENRY C., JR., Associate Professor of General Engineering, Purdue University, Lafayette, Ind. 1945.

THOMPSON, J. GEORGE H., Associate Professor of Mechanical Engineering, Texas A. & M. College, College Station, Texas. 1938.

THOMPSON, J. NEILS, Professor of Civil Engineering and Director, Off-Campus Research Center, University of Texas, Austin, Texas. 1942.

THOMPSON, JAMES S., 35 Hathaway Lane, White Plains, N. Y. (*Treasurer, 1942–; Member of Council, 1938–.*) 1911.

THOMPSON, JAMES S., Professor and Chairman, Dept. of Physics, Illinois Institute of Technology, Chicago, Ill. 1935.

THOMPSON, J. TRUEMAN, Professor of Civil Engineering, The Johns Hopkins University, Baltimore 18, Md. 1941.

THOMPSON, KARL O., Professor of English, Case Institute of Technology, Cleveland, Ohio. 1919.

THOMPSON, LEE P., Professor of Mechanical Engineering, A. & M. College of Texas, College Station, Texas. 1943.

THOMPSON, MILTON J., Professor and Chairman, Department of Aeronautical Engineering, Associate Director, Defense Research Laboratory, The University of Texas, Austin 12, Texas. 1934.

THOMPSON, PAUL V., Professor of English, University of Colorado, Boulder, Colo. 1943.

THOMPSON, SOPHUS, Professor of Civil Engineering, Southern Methodist University, Dallas, Texas. 1936.

THOMPSON, TRUET B., Assistant Professor of Electrical Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1950.

THOMPSON, VIRGINIA, Instructor in Engineering Research, Oklahoma A. & M. College, Stillwater, Okla. 1948.

THOMPSON, WILLIAM E., Instructor in Civil Engineering, University of Washington, Seattle, Wash. 1950.

THOMSON, CHARLES M., JR., Instructor in Mechanical Engineering, University of Vermont, Burlington, Vt. 1948.

THOMSON, EARL W., Senior Professor of Electrical Engineering, U. S. Naval Academy, Annapolis, Md. 1946.

THOMSON, FRANCIS A., President, Retired, Montana School of Mines, Butte, Mont. 1927.

THOMSON, JOHN B., Associate Professor of Mathematics, Lawrence Institute of Technology, Highland Park, Mich. 1948.

THOR, ERIC, Research Fellow, Giannini Foundation, University of California, Berkeley, Calif. 1948.

THORNBURG, MARTIN L., Professor and Head, Dept. of Mechanical Engineering, University of Arizona, Tucson, Ariz. 1925.

THORNE, JOSEPH R., Instructor in General Engineering, Purdue University, Lafayette, Ind. 1949.

THORNTON, G. EVERETT, Professor of Mechanical Engineering, State College of Washington, Pullman, Wash. 1948.

THORNTON, JESSE E., Professor of English, University of Michigan, Ann Arbor, Mich. (*Member of Council, 1946–51.*) 1936.

THOROGOOD, BRACKETT K., Executive Director, Franklin Technical Institute, Boston 16, Mass. 1940.

THRESHER, B. ALDEN, Director of Admissions, Massachusetts Institute of Technology, Cambridge, Mass. 1935.

THROOP, JOSEPH F., Assistant Professor of Mechanics, Rensselaer Polytechnic Institute, Troy, N. Y. 1943.

THUERING, GEORGE L., Assistant Professor of Industrial Engineering, Pennsylvania State College, State College, Pa. 1949.

THUESEN, H. G., Professor and Head, Dept. of Industrial Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1926.

THURSTON, JAMES N., Associate Professor of Electrical Engineering, University of Florida, Gainesville, Fla. 1949.

TICE, LAWRENCE W., President, International Textbook Co., Scranton, Pa. 1936.

TICHVINSKY, LEONID M., Professor of Mechanical Engineering, University of California, Berkeley, Calif. 1946.

TIFFORD, ARTHUR N., Associate Professor of Aeronautical Engineering, Ohio State University, Columbus, Ohio. 1949.

TILGHMAN, HARRISON, Counsellor-at-Law, Colonel, U. S. Army Res., Retired, P. O. Box 707, Easton, Md. 1919.

TILLES, ABE, Engineering Dept., Pacific Gas & Electric Co., 245 Market St., San Francisco 6, Calif. 1937.

TILLITSON, EDWARD W., Associate Professor of Chemical Engineering, Dir. Rubber & Plastics Lab., Wayne University, Detroit, Mich. 1948.

TIMBIE, WILLIAM H., Professor Emeritus of Electrical Engineering and Industrial Practice, Massachusetts Institute of Technology, Cambridge, Mass. (*Member of Council, 1929–32.*) 1908.

TIMBY, ELMER K., Principal Associate, Howard, Needles, Tammen & Bergendoff, 55 Liberty St., New York 5, N. Y. 1929.

TIMINERI, ANTHONY A., Instructor in Electrical Engineering, University of Buffalo, Buffalo, N. Y. 1950.

TIMMONS, GEORGE G., Instructor in Shop Practice, Kansas State College, Manhattan, Kans. 1948.

TIMOSHENKO, GREGORY S., Professor and Head, Dept. of Electrical Engineering, University of Connecticut, Storrs, Conn. 1939.

TIMOSHENKO, STEPHEN P., Professor of Mechanics, Emeritus, Stanford University, Stanford, Calif. *Twelfth Recipient, Lamme Medal (1939).* 1927.

TIMPAS, ANTHONY L. 1948.

TIMS, GEORGE B., JR., Associate Professor of Industrial Engineering, Oklahoma A. & M. College, Stillwater, Okla. 1948.

TINGLEY, FREEMAN T., Professor of Electrical Engineering, Clemson Agricultural College, Clemson, S. C. 1927.

TINNING, GEORGE M., Instructor in Engineering, Detroit Institute of Technology, Detroit, Mich. 1947.

TINNISWOOD, W. W., Associate Professor and Acting Head, Dept. of Civil Engineering, University of Idaho, Moscow, Idaho. 1946.

TINOCO, J. ARTURO, Dean, Facultad de Ingenieria, Universidad de Costa Rica, San Jose, Costa Rica, S. A. 1945.

TIPPY, KENNETH C., Head, Dept. of Civil Engineering, University of Connecticut, Storrs, Conn. 1943.

TITTLE, MORRIS E., Instructor in Mathematics, Texas A. & M. College, College Station, Texas. 1948.

TOBEY, AUBREY C., Instructor in Mechanical Engineering, University of Connecticut, Storrs, Conn. 1949.

TODD, M. E., Associate Professor of Electric Power Engineering, University of Minnesota, Minneapolis, Minn. 1913.

TODD, MARION W., Associate Professor of Civil Engineering and Engineering Mechanics, Purdue University, Lafayette, Ind. 1926.

TOEWS, GUSTAV P., Assistant Professor of Mechanical Engineering, Ohio University, Athens, Ohio. 1948.

TOLLINGER, CHARLES L., Associate Professor and Director, Department of Mechanical Shops, South Dakota School of Mines and Technology, Rapid City, S. D. 1947.

TOLMAN, CARL, Dean, Graduate School of Arts and Sciences, and Professor and Head of Geology and Geological Engineering Dept., Washington University, St. Louis, Mo. 1949.

TOLONEN, FRANK J., Associate Professor of Metallurgical Research, Michigan College of Mining and Technology, Houghton, Mich. 1948.

TOMKINS, STANTON E., Instructor in Mechanical Engineering, University of Michigan, Ann Arbor, Mich. 1949.

TOMPKINS, FREDERICK N., Associate Professor of Electrical Engineering, Brown University, Providence 12, R. I. 1922.

TOMPKINS, HOWARD E., Instructor in Electrical Engineering, University of Pennsylvania, Philadelphia, Pa. 1950.

TOMPKINS, LEE L., Assistant Division Manager, (on Leave), C. E. S. Continental Can Co., Inc., Houston, Texas. 1950.

TONER, RICHARD K., Associate Professor of Chemical Engineering, Princeton University, Princeton, N. J. 1948.

TONKIN, JOHN C., Instructor Emeritus in Mechanical Engineering, University of New Hampshire, Durham, N. H. 1935.

TOOLE, CHARLES E., Assistant Professor of Physics, Pratt Institute, Brooklyn, N. Y. 1948.

TOOTLE, COLUMBUS E., Assistant Professor of Industrial Organization, U. S. Air Forces Institute of Technology, Dayton, Ohio. 1950.

TOPPING, ALANSON D., Instructor in Engineering Mechanics, University of Illinois, Urbana, Ill. 1935.

TORGERSEN, HAROLD, Associate Professor of Electrical Engineering, Assistant Dean in charge of Evening Division, College of Engineering, New York University, New York, N. Y. 1935.

TORGERSEN, WALTER, Plant Superintendent, Diemolding Corp., Canastota, N. Y. 1947.

TOULOUSE, JULIAN H., Chief Engineer, Quality and Specifications Dept., Owens-Illinois Glass Co., Toledo, Ohio. 1949.

TOUR, REUBEN S., Professor and Head, Chemical Engineering Dept., University of Cincinnati, Cincinnati, Ohio. 1944.

TOVANI, ERNEST P., Assistant Professor of Engineering Mathematics, University of Colorado, Boulder, Colo. 1946.

TOWLE, NORMAN L., Dean, School of Engineering, Cooper Union, New York 3, N. Y. 1925.

TOWN, GEORGE R., Associate Director, Engineering Experiment Station, and Professor of Electrical Engineering, Iowa State College, Ames, Iowa. 1944.

TOWNSEND, ARTHUR L., Director, Lowell Institute School, Massachusetts Institute of Technology, Cambridge 39, Mass. 1933.

TOWNSEND, CLARENCE E., Professor and Head, Department of Engineering Drawing, Cornell University, Ithaca, N. Y. 1930.

TOWNSEND, ERNEST J., Treasurer, Michigan College of M. & T., Houghton, Mich. 1944.

TOWNSEND, RICHARD E., Associate Professor of Chemical Metallurgical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

TOZER, ELIOT F., Professor and Head, Dept. of Drawing, Northeastern University, Boston, Mass. 1927.

TRACY, GORDON F., Professor and Chairman, Dept. of Electrical Engineering, University of Toronto, Toronto 5, Canada. 1928.

TRACY, JOHN C., Professor Emeritus of Civil Engineering, Yale University, New Haven, Conn. (*Member of Council, 1912–15, 1920–23.*) *Life member.* 1907.

TRACY, MAURICE B., Technical Personnel Dept., General Electric Co., Bridgeport, Conn. 1945.

TRACY, STEPHEN J., Assistant Professor of Mechanical Engineering, College of the City of New York, New York 31, N. Y. 1930.

TRATHEN, ROLAND H., Associate Professor of Mechanics, Rensselaer Polytechnic Institute, Troy, N. Y. 1948.

TRAUTMAN, DEFOREST L., JR., Assistant Professor of Engineering, University of California, Los Angeles, Calif. 1950.

TRAVIS, IRVEN, Director of Research, Burroughs Adding Machine Co., 511 N. Broad St., Philadelphia 23, Pa. 1936.

TREAT, BURNETT F., Associate Professor of Mechanical Engineering, University of Texas, Austin, Texas. 1947.

TREFRY, DONALD E., Staff Engineer, Lighting Division, The Detroit Edison Company, Detroit, Mich. 1950.

TRENT, CLARENCE E., Associate Professor of Mechanical Engineering, Virginia Polytechnic Institute, Blacksburg, Va. 1938.

TRENT, HAROLD F., Assistant Professor of Graphics, Virginia Polytechnic Institute, Blacksburg, Va. 1949.

TREVETT, HAROLD N., Professor of Electrical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1949.

TREYBAL, ROBERT E., Professor and Acting Chairman, Department of Chemical Engineering, New York University, New York 53, N. Y. 1947.

TREZISE, FREDERICK W., Associate Dean, Department of Engineering Science, Chicago Undergraduate Division, University of Illinois, Chicago 11, Ill. 1947.

TRIANA, JORGE, Professor, Highway Engineering, Universidad Nacional de Colombia, Bogota, Colombia, S. A. 1943.

TRIBUS, MYRON, Lecturer in Engineering, 50 Kirkland St., Apt. 3, Cambridge, Mass. 1947.

TRIEST, RUDOLF M., Vice President, Production, John Wiley and Sons, Inc., 440 Fourth Avenue, New York, N. Y. 1924.

TRIGGER, KENNETH J., Professor of Mechanical Engineering, University of Illinois, Urbana, Ill. 1936.

TRINKLE, ROBERT J., Professor of Mechanical Engineering, Virginia Military Institute, Lexington, Va. 1946.

TRIPP, WILSON, Professor of Mechanical Engineering, Kansas State College, Manhattan, Kans. 1948.

TRIVELY, ILO A., Associate Professor of Civil Engineering, Clemson Agricultural College, Clemson, S. C. 1942.

TROTTER, RICHARD A., Associate Professor of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1929.

TROWBRIDGE, DOUGLAS S., Professor and Acting Chairman, Dept. of Civil Engineering, New York University, New York, N. Y. 1924.

TROWBRIDGE, RAYMOND N., Assistant Professor of Safety Engineering, Georgia Institute of Technology, Atlanta, Ga. 1947.

TROXELL, GEORGE E., Professor of Civil Engineering, University of California, Berkeley, Calif. 1940.

TROXLER, JOSEPH R., Assistant Professor of Mechanical Engineering, Southwestern Louisiana Institute, Lafayette, La. 1947.

TRUCKENMILLER, WILLIAM C., Associate Professor of Metal Processing, University of Michigan, Ann Arbor, Mich. 1946.

TRUEBLOOD, RICHARD O., Assistant Professor of Electrical Engineering, University of Wyoming, Laramie, Wyo. 1931.

TRUETTNER, W. I., Professor of Mechanical Engineering, A. & M. College of Texas, College Station, Texas. 1938.

TRUMBULL, ROBERT G., Associate Professor of Mechanical Engineering, The George Washington University, Washington, D. C. 1949.

TRUMMEL, JOHN M., Assistant Professor of Mechanical Engineering, State University of Iowa, Iowa City, Iowa. 1943.

TSCHEBOTARIOFF, GREGORY P., Associate Professor of Civil Engineering, Princeton University, Princeton, N. J. 1937.

TSE, FRANCIS S., Instructor in Mechanical Engineering, Ohio State University, Columbus, Ohio. 1948.

TSUDA, GEORGE H., Instructor in Engineering Drawing, Michigan State College, East Lansing, Mich. 1949.

TUCK, HARRY P., Associate Professor and Head of Electrical Engineering, University of Tasmania, Hobart, Tasmania, Australia. 1946.

TUCKER, CARLTON E., Professor and Executive officer, Dept. of Electrical Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass. (*Member of Council, 1942–46.*) 1922.

TUCKER, J. MACK, Professor of Mechanical Engineering, University of Tennessee, Knoxville, Tenn. 1943.

TUCKER, LEROY, Associate Professor of Mechanics, The Ohio State University, Columbus 10, Ohio. 1927.

TUCKER, RAYMOND R., Professor and Head, Dept. of Mechanical Engineering, Washington University, St. Louis, Mo. 1943.

TUCKER, ROBERT E., Lecturer in Engineering, University of California at Los Angeles, Calif. 1949.

TUDBURY, CHESTER W., Supervisor of Instruction and Head, Department of Mathematics, Wentworth Institute, Boston, Mass. 1921.

TULLIS, EDWARD L., Chairman, Dept. of Geology, South Dakota School of Mines and Technology, Rapid City, S. D. 1947.

TULLY, THOMAS J., Associate Professor and Executive Associate in Chemistry, Newark College of Engineering, Newark, N. J. 1943.

TULOCK, JOHN L., Instructor in Engineering Drawing, Virginia Polytechnic Institute, Blacksburg, Va. 1950.

TUMA, GERALD, Associate Professor of Electrical Engineering, University of Oklahoma, Norman, Okla. 1947.

TUMBLESON, IRA A., Librarian, Newark College of Engineering, Newark, N. J. 1943.

TUPPER, KENNETH F., Dean of Applied Science and Engineering, University of Toronto, Toronto, Ont., Canada. 1949.

TURIN, JOHN J., Professor and Head, Physics Dept., University of Toledo, Toledo, Ohio. 1949.

TURKINGTON, DONALD B., Assistant Professor of Mechanical Engineering, University of Oklahoma, Norman, Okla. 1947.

TURNBULL, WILLIAM D., Junior Dean, College of Engineering, The Ohio State University, Columbus 10, Ohio. 1917.

TURNEAURE, F. E., Dean Emeritus, University of Wisconsin, 116 No. Prospect Ave., Madison, Wis. (*President, 1908–09; Member of Council, 1903–46; Member, Board of Investigation and Coordination, 1925–33.*) *Tenth Recipient, Lamme Medal (1937).* 1894.

TURNER, ADLAI S., Professor of Civil Engineering and Head, Engineering Division, Arkansas Polytechnic College, Russellville, Ark. 1940.

TURNER, ARTHUR W., Assistant Chief in charge of Agricultural Engineering Research, Bureau of Plant Industry, U. S. Dept. of Agriculture, Washington, D. C. (*Member of Council, 1946–48.*) 1943.

TURNER, EARLE O., Dean of Engineering, University of New Brunswick, Fredericton, N. B., Canada. 1946.

TURNER, EDNA M., Assistant Professor of Chemistry, Pratt Institute, Brooklyn, N. Y. 1950.

TURNER, ELMER, Instructor in Social Studies, New York State Institute of Applied Arts and Sciences, Buffalo, N. Y. 1949.

TURNER, FRANCIS M., Vice President, The Reinhold Publishing Corp., 330 West 42nd St., New York 18, N. Y. 1942.

TURNER, HUBERT M., Associate Professor of Electrical Engineering, Yale University, New Haven, Conn. 1929.

TURNER, JAMES L. 1948.

TURNER, LOUIS A., 637 N. Washington St., Hinsdale, Ill. 1949.

TURNER, RICHARD C., JR., Comdr., Dept. of Electrical Engineering, U. S. Naval Academy, Annapolis, Md. 1938.

TURNER, WILLIAM W., Professor and Head, Dept. of Engineering Drawing, University of Notre Dame, Notre Dame, Ind. 1939.

TURNEY, BRUCE M., Chemist, Best Foods, Inc., Indianapolis, Ind. 1948.

TURPIN, MANLY C., Secretary, American Society of Refrigerating Engineers, 40 West 40th St., New York 18, N. Y. 1948.

TURRITTIN, HUGH L., Associate Professor of Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. (*on Sabbatical leave at Princeton University, Princeton, N. J.*). 1945.

TURSICH, ERNEST J., 2117 S. Hamlin Ave., Chicago 23, Ill. 1950.

TUTHILL, ARTHUR F., Assistant Professor of Mechanical Engineering, University of Vermont, Burlington, Vt. 1939.

TUTHILL, JOHN K., Professor of Railway Electrical Engineering, University of Illinois, Urbana, Ill. 1922.

TUTT, CHARLES L., JR., Administrative Chairman, Fifth-Year & Degree Program, General Motors Institute, Flint 2, Mich. 1941.

TUTTLE, ROBERT E., Assistant Chairman, English and Coordination Dept., General Motors Institute, Flint, Mich. 1948.

TUVE, GEORGE L., Professor and Head, Dept. of Mechanical Engineering, Case Institute of Technology, Cleveland 6, Ohio. 1925.

TWENEY, GEORGE H., Associate Professor of Aeronautical Engineering, Wayne University, Detroit 1, Mich. 1941.

TWINING, ROBERT B., Assistant Professor of Mechanical Engineering, Drexel Institute of Technology, Philadelphia, Pa. 1947.

TWOGOOD, A. J., Head of Physics & Engineering, Riverside Junior College, Riverside, Calif. 1933.

TYKOCINER, J. T., Research Professor Emeritus, 306 Iowa St., Urbana, Ill. 1929.

TYLEE, ANDREW F. E., Director, Swinburne Technical College, Hawthorne, E. 2, Australia. 1949.

TYLER, CLARENCE M., JR., Assistant Professor of Mechanical Engineering, Carnegie Institute of Technology, Pittsburgh 13, Pa. 1946.

TYLER, EDWARD J., Director, College Department, Harper & Brothers, Publishers, 49 E. 33rd St., New York City. 1940.

TYLER, RICHARD G., Professor of Sanitary Engineering, University of Washington, Seattle, Wash. 1950.

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UICKER, JOHN J., Director, Dept. Mechanical Engineering, University of Detroit, Detroit, Mich. 1933.

ULMAN, JOSEPH N., Assistant Professor of English, Massachusetts Institute of Technology, Cambridge, Mass. 1948.

ULRICH, JOHN R., *Spokane Chronicle*, Spokane, Wash. 1948.

UNDERWOOD, PAUL H., Professor of Surveying, Cornell University, Ithaca, N. Y. 1922.

UNDERWOOD, ROBERT H., Instructor in Engineering Mechanics, Cornell University, Ithaca, N. Y. 1946.

UNGERLEIDER, BERNARD, 13–05 Fairhaven Pl., Fairlawn, N. J. 1946.

UNGRODT, RICHARD J., Associate Professor of Electrical Engineering, Milwaukee School of Engineering, Milwaukee, Wis. 1949.

UNIECHOWSKI, S. R., Assistant Professor of Engineering Mechanics, University of Detroit, Detroit 21, Mich. 1948.

UNK, JACOB M., Professor of Electrical Engineering, National Institute of Technology, Delft, Holland. 1948.

UPDIKE, OTIS L., Associate Professor of Chemical Engineering, University of Virginia, Charlottesville, Va. 1946.

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UPSON, RALPH H., Professor of Aeronautical Engineering, University of Minnesota, Minneapolis 14, Minn. 1947.

UPTHEGROVE, CLAIR, Professor and Chairman, Dept. of Metallurgical Engineering, University of Michigan, Ann Arbor, Mich. 1940.

URBACH, WALTER F., Assistant Professor of English & History, Massachusetts Institute of Technology, Cambridge, Mass. 1949.

UREN, LESTER C., Professor of Petroleum Engineering and Chairman, Division of Mineral Technology, University of California, Berkeley, Calif. 1939.

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DE URZAIZ, LUIS, President, National Technical Institute, New York, N. Y. 1948.

USTRUD, HERBERT O., Assistant Professor of Theoretical and Applied Mechanics, Iowa State College, Ames, Iowa. 1945.

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VALE, VERNER D., President, Vale Technical Institute, Blairsville, Pa. 1948.

VALEY, VALENTIN A., Assistant Professor of Mechanics in charge of Mats. Testing Lab., USAF Institute of Technology, Wright-Patterson Air Base, Dayton, Ohio. 1948.

VALLERGA, BERNARD A., Assistant Professor of Civil Engineering, University of California, Berkeley, Calif. 1949.

VALLEY, JOHN R., Assistant Dean of Students, Case Institute of Technology, Cleveland, Ohio. 1948.

VALPEY, ROBERT G., First Lt., U. S. Air Force, Instructor in Mechanics, U. S. Military Academy, West Point, N. Y. 1950.

VAN BERG, CHARLES F. 1948.

VANCE, HAROLD, Professor and Head, Dept. of Petroleum Engineering, A. & M. College of Texas, College Station, Texas. 1937.

VAN DEN BROEK, JAN A., Professor of Engineering Mechanics, University of Michigan, Ann Arbor, Mich. 1924.

VAN DER ROHE, LUDWIG M., Director, Dept. of Architecture, Illinois Institute of Technology, Chicago, Ill., 1949.

VANDERSLICE, RALPH L., Associate Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1948.

VAN DEUSEN, GEORGE L., President, RCA Institute, Inc., 350 West 4th Street, New York 14, N. Y. 1948.

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VAN DUZEE, GERALD R., Professor and Head, Department of Metallurgy, South Dakota School of M. & T., Rapid City, S. D. 1947.

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VAN DYKE, JAMES R., Professor and Chairman, Dept. of Mechanical Engineering, University of Nevada, Reno, Nev. 1941.

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VAN LEER, BLAKE R., President, Georgia Institute of Technology, Atlanta, Ga. (*Member of Council, 1933–36.*) 1923.

VAN METER, DAVID, Assistant Professor of Electrical Engineering, Pennsylvania State College, State College, Pa. 1948.

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VAN VORST, WILLIAM D., Lecturer in Engineering, University of California, Los Angeles, Calif. 1947.

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VARNER, WALTER W., Instructor in Applied Mathematics, University of Colorado, Boulder, Colo. 1949.

VARNEY, WILBUR R., Assistant Professor of Mechanical Engineering, California Institute of Technology, Pasadena, Calif. 1950.

VASCONCELLES, HAROLD J., Instructor in Engineering, Springfield Junior College, Springfield, Ill. 1947.

VATER, GERHARD A., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

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VEIRS, STEPHEN D., Assistant Research Director, F. & R. Lazarus Co., Columbus, Ohio. 1947.

VEIT, ROBERT C., Associate Professor of Civil Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1939.

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VERPLANCK, DENNISTOUN W., Professor and Head of Mechanical Engineering, Carnegie Institute of Technology, Pittsburgh 13, Pa. 1937.

VEY, EBEN, Assistant Professor of Civil Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.

VICK, ALFRED T., Supt. of Schools, City of Savannah and Chatham County, Savannah, Ga. 1945.

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VINE, WILLIAM A., Associate Professor of Mining Engineering, Missouri School of Mines, Rolla, Mo. 1947.

VIRENE, EDGAR P., Assistant Professor of Mathematics, Newark College of Engineering, Newark, N. J. 1949.

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VITROGAN, DAVID, Associate Professor of Electrical Engineering, Pratt Institute, Brooklyn, N. Y. 1946.

VIVELL, ALLEN E., Professor of Electrical Engineering, U. S. Naval Postgraduate School, Annapolis, Md. 1937.

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VLIET, DANIEL H., Instructor in Electrical Engineering, Tulane University, New Orleans, La. 1950.

VOELKER, ROBERT A., Professor of Civil Engineering, Antioch College, Yellow Springs, Ohio. 1950.

VOGEL, FRED J., Professor of Electrical Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.

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VOLK, JOSEPH A., Professor of Engineering, Institute of Technology, St. Louis University, St. Louis, Mo. 1948.

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VON ESCHEN, GARVIN L., Professor and Chairman, Dept. of Aeronautical Engineering, The Ohio State University, Columbus 10, Ohio. 1944.

VON FISCHER, WILLIAM, Head, Chemistry and Chemical Engineering Depts., Case Institute of Technology, Cleveland, Ohio. 1949.

VON TROTT, LEWIS G., Editor, Publications, Milwaukee School of Engineering, Milwaukee, Wis. 1950.

VOORHEES, BOYNTON S., Vice President, Improvements, New York Central System, New York, N. Y. 1949.

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VREELAND, HOWARD W., Assistant Professor of Drafting, Columbia University, New York, N. Y. 1947.

VREELAND, ROBERT P., Assistant Professor of Civil Engineering, Yale University, New Haven, Conn. 1948.

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VULLIET, PHILIP O., Instructor in Engineering, Olympic Junior College, Bremerton, Wash. 1948.

WACKENHUT, NORMAN H., Assistant Professor of Mechanical Engineering, University of Pittsburgh, Pittsburgh, Pa. 1949.

WADSWORTH, JAMES D., Assistant Professor, Forging Dept., Utah State Agricultural College, Logan, Utah. 1950.

WAGER-SMITH, D. R. W., Assistant Professor of Civil Engineering, University of New Mexico, Albuquerque, N. M. 1947.

WAGNER, CHARLES A., Associate Professor of Mechanical Engineering, University of Colorado, Boulder, Colo. 1948.

WAGNER, EDWARD J., Assistant Professor of Electrical Engineering, Illinois Institute of Technology, Chicago, Ill. 1947.

WAGNER, ELDON C., Associate Professor of Civil Engineering, University of Wisconsin, Madison, Wis. 1947.

WAGNER, HERMAN A., Consulting Engineer, 8 So. Michigan Ave., Chicago 3, Ill. 1907.

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WAGNER, STEPHEN S., Assistant Professor of Drawing, Mechanics and Design, University of Buffalo, Buffalo, N. Y. 1946.

WAGNER, WARREN O., Assistant Professor of Hydraulics and Consulting Engineer, California Institute of Technology, Pasadena 4, Calif. 1939.

WAGNER, WILLIAM C., Professor and Head, Dept. of Civil Engineering, University of New Mexico, Albuquerque, N. M. 1948.

WAHLERS, FRED A., Assistant Professor of Electrical Engineering, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1947.

WAIBLER, PAUL J., Instructor in Mechanical Engineering, University of Utah, Salt Lake City, Utah. 1945.

WAIDLEICH, DONALD L., Professor of Electrical Engineering, University of Missouri, Columbia, Mo. 1939.

WAITE, RICHARD A., JR., Associate Dean of Students, Rensselaer Polytechnic Institute, Troy, N. Y. 1947.

WAITE, WILLIAM W., Associate Professor of Industrial Engineering, Columbia University, New York 27, N. Y. 1948.

WALING, JOSEPH L., Associate Professor of Engineering Mechanics, Purdue University, Lafayette, Ind. 1948.

WALBAUM, ALFRED H., Chairman, Dept. of Chemistry and Chemical Engineering, Indiana Technical College, Fort Wayne, Ind. 1948.

WALD, JOSEPH H., Instructor in Mathematics and Mechanics, University of Minnesota, Minneapolis, Minn. 1948.

WALES, ROYAL L., Dean of Engineering, Emeritus, Rhode Island State College, Kingston, R. I. 1914.

WALKER, CHARLES A., Assistant Professor of Chemical Engineering, Yale University, New Haven, Conn. 1942.

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WALKER, HAROLD L., Professor and Head, Dept. of Mining and Metallurgical Engineering, University of Illinois, Urbana, Ill. 1943.

WALKER, HARRY B., Professor of Agricultural Engineering and Agricultural Engines, Engineering Experiment Station, University of California, Davis, Calif. (*Member of Council, 1933–36.*) 1921.

WALKER, HARRY N., Director of Research, The B. G. Corp., New York City. 1931.

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WALKER, LEONARD D., Professor of General Engineering Drawing, University of Illinois, Urbana, Ill. 1928.

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WALKER, RALPH C., Instructor in Electrical Engineering, Bucknell University, Lewisburg, Pa. 1949.

WALKER, S. BRANCH, Attorney, Patent Dept., American Cyanamid Co., Stamford, Conn. 1936.

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WALL, JAMES G., Instructor in Mathematics, Georgia Institute of Technology, Atlanta, Ga. 1947.

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WALLACE, ELLSWORTH E. R., Instructor in Engineering, Columbia University, New York, N. Y. 1950.

WALLACE, FELIX A., Professor and Chairman, Department of Civil Engineering, College of the Pacific, Stockton 27, Calif. 1946.

WALLACE, LAWRENCE W., Counselor on Management, Lawrence W. Wallace Co., Times-Star Bldg., Cincinnati, Ohio. 1924.

WALLACE, WALTER P., Lecturer in Engineering, University of California, Los Angeles 24, Calif. 1947.

WALLACE, WAYNE P., Associate Professor of Civil Engineering, Louisiana State University, Baton Rouge, La. 1947.

WALLIS, CLIFFORD M., Professor of Electrical Engineering, University of Missouri, Columbia, Mo. 1935.

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WALRAVEN, H. DALE. 1949.

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WALTHER, CARL H., Professor of Civil Engineering, Assistant Dean of Engineering, George Washington University, Washington, D. C. 1942.

WALTON, JESSE S., Professor and Head, Dept. of Chemical Engineering, Oregon State College, Corvallis, Ore. 1945.

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WANG, CHI-TEH, Associate Professor of Aeronautical Engineering, New York University, New York, N. Y. 1949.

WANG, CHU-KIA, Assistant Professor of Civil Engineering, University of Colorado, Boulder, Colo. 1949.

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WARD, JOSEPH E., JR., Associate Professor of Electrical Engineering, Kansas State College, Manhattan, Kans. 1948.

WARD, JOSEPH S., Instructor in Civil Engineering, The Cooper Union, New York, N. Y. 1948.

WARD, LEON S., Professor and Head, Department of Chemistry, Colorado School of Mines, Golden, Colo. 1947.

WARD, ROBERT P., Professor of Electrical Engineering and Assistant to Dean of Engineering, A. & M. College of Texas, College Station, Texas. 1937.

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WAREING, JOHN F., Head, Electrical Department, New Bedford Vocational High School, New Bedford, Mass. 1939.

WARNEKE, MAYNARD J., Manager, Graduate Student Trng., Westinghouse Electric Corp., East Pittsburgh, Pa. 1946.

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WARNER, JOHN C., President, Carnegie Institute of Technology, Pittsburgh 13, Pa. 1946.

WARNER, JOHN L., Assistant Professor in Electrical Engineering, Tufts College, Medford, Mass. 1948.

WARNOCK, WALTER G., Professor of Mathematics, Rensselaer Polytechnic Institute, Troy, N. Y. 1936.

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WARREN, S. REID, JR., Professor of Electrical Engineering, Moore School of Electrical Engineering, University of Pennsylvania, Philadelphia 4, Pa. 1943.

WARSCHAWSKI, STEFAN E., Professor of Mathematics and Mechanics, University of Minnesota, Minneapolis 14, Minn. 1945.

WASEL, ALBERT D., Assistant Professor of Mathematics, University of Santa Clara, Santa Clara, Calif. 1949.

WASHA, GEORGE W., Associate Professor of Mechanics, University of Wisconsin, Madison, Wis. 1950.

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WATERMAN, EARLE L., Professor of Civil Engineering, University of Iowa, Iowa City, Iowa. 1923.

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WATERS, EVERETT O., Professor of Mechanical Engineering, Yale University, New Haven, Conn. 1914.

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WATERS, PHILIP G., Assistant Professor of Electrical Engineering, University of Houston, Houston, Texas. 1950.

WATKINS, FAIRFAX E., Associate Professor of Engineering Drawing, Ohio State University, Columbus, Ohio. 1948.

WATKINS, REYNOLD K., Assistant Professor of Civil Engineering, Utah State Agricultural College, Logan, Utah. 1950.

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WATSON, GEORGE C., Instructor in Mathematics, North Carolina State College, Raleigh, N. C. 1947.

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WEBSTER, FRED N., Assistant Professor of Mechanical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1941.

WEBSTER, HERBERT L., Instructor in Mathematics, South Dakota School of Mines, Rapid City, S. D. 1949.

WEBSTER, JAMES C., Teacher of Physics, Armstrong Technical High School, Washington 1, D. C. 1938.

WECKLER, HERMAN L., Vice President and General Manager, Chrysler Corporation, Detroit ,Mich. 1945.

WEDDING, PRESLEY A., Assistant Professor of Civil Engineering, University of Maryland, College Park, Md. 1949.

WEED, HERMAN R., Assistant Professor of Electrical Engineering, Ohio State University, Columbus, Ohio. 1949.

WEEDEN, CLARENCE R., Assistant Professor of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1944.

WEEDEN, HARMAR A., Assistant Professor of Civil Engineering, Bucknell University, Lewisburg, Pa. 1941.

WEEMS, WILLIAM R., Technical Industrial Liaison Officer, Massachusetts Institute of Technology, Cambridge, Mass. 1944.

WEHE, ROBERT L., Instructor in Mechanical Engineering, University of Illinois, Urbana, Ill. 1950.

WEHRLE, J. ALBERT, Dean of Engineering, University of Dayton, Dayton, Ohio. 1950.

WEIBEL, EMIL E., Associate Professor of Mechanical Engineering, University of Colorado, Boulder, Colo. 1936.

WEIDLEIN, EDWARD R., Director, Mellon Institute, Pittsburgh, Pa. 1936.

WEIGEL, PAUL, Professor and Head, Dept. of Architecture, Kansas State College, Manhattan, Kans. 1945.

WEIKEL, RAYMOND C., Assistant Professor of Aeronautical Engineering, University of Washington, Seattle, Wash. 1950.

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WEIL, ROBERT T., JR., Professor and Head, Dept. of Electrical Engineering, Manhattan College, New York, N. Y. 1936.

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WEIMER, FRANK C., Associate Professor of Electrical Engineering, Ohio State University, Columbus, Ohio. 1948.

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WEINBERG, EDWIN B., Assistant Professor of Physics, Sacramento State College, Sacramento 14, Calif. 1945.

WEINBERG, LESTER H., Assistant Professor of Civil Engineering, University of Akron, Akron, Ohio. 1946.

WEINER, PHILLIP J., Instructor in Electrical Engineering, University of Minnesota, Minneapolis, Minn. 1950.

WEINDLING, JOACHIM I., Tutor in Mechanical Engineering, College of the City of New York, New York, N. Y. 1948.

WEIS, JOHN J. 1947.

WEIS, RUDOLPH P., Instructor in Civil Engineering, Villanova College, Villanova, Pa. 1947.

WEISHAMPEL, JOHN A., Professor and Head, Dept. of Mechanical Engineering, Ohio Northern University, Ada, Ohio. 1948.

WEISS, JOSEPH R., Assistant Professor in Mechanical Engineering, College of the City of New York, New York City. 1940.

WELCH, ERNEST R., Professor and Head, Dept. of Electrical Engineering, Howard University, Washington, D. C. 1938.

WELCH, FREDERIC W., Assistant Professor of Civil Engineering, Retired, State College of Washington, Pullman, Wash. *Life member.* 1921.

WELCH, HERBERT E., Instructor and Head, Drafting Dept., Stockton College, Stockton, Calif. 1942.

WELLER, MONROE R., Instructor in Physics, Newark College of Engineering, Newark, N. J. 1949.

WELLMAN, BERNARD L., Professor of Mechanical Engineering and Head, Drawing Division, Worcester Polytechnic Institute, Worcester, Mass. 1937.

WELLS, A. EDWIN, Associate Professor of Engineering, Lowell Textile Institute, Melrose, Mass. 1943.

WELLS, EDWARD H., Assistant Professor of Pre-Engineering, Champlain College, Plattsburg, N. Y. 1947.

WELLS, HOWARD H., Associate Professor of English and Social Science, South Dakota School of M. & T., Rapid City, S. D. 1946.

WELSH, FRANK H., Head, Division of General and Vocational Education, International Business Machines Corp., Endicott, N. Y. 1944.

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WENDT, KURT F., Professor of Mechanics, Associate Director, Engrg. Exp. Station, University of Wisconsin, Madison 6, Wis. 1927.

WENDT, WYLIE B., Professor and Head, Dept. of Civil Engineering, Speed Scientific School, University of Louisville, Louisville 8, Ky. 1908.

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WERNICK, NATHANIEL K. 1948.

WERTS, CLYDE, REV., Assistant Professor of Engineering, Loyola University, Los Angeles, Calif. 1947.

WERWATH, HEINZ M., Director of Admissions, Milwaukee School of Engineering, Milwaukee, Wis. 1946.

WERWATH, HERBERT D., Instructor in Electrical Engineering, Milwaukee School of Engineering, Milwaukee, Wis. 1950.

WERWATH, KARL O., President, Milwaukee School of Engineering, Milwaukee, Wis. 1938.

WESKE, JOHN R., Principal Research Scientist, Inst. for Coop. Research, Johns Hopkins University, Baltimore, Md. 1937.

WESSMAN, HAROLD E., Dean of Engineering, University of Washington, Seattle, Wash. 1934.

WESTBROCK, ADRIAN J., Assistant Professor of Mechanical Engineering, University of Dayton, Dayton, Ohio. 1948.

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WESTON, EDWARD R., Associate Professor of Electrical Engineering, Georgia Institute of Technology, Atlanta, Ga. 1947.

WETZEL, IRWIN T., Lecturer in Mechanical Engineering, Northwestern University, Evanston, Ill. 1942.

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WHEELOCK, ERVIN E., Instructor in General Engineering, Purdue University, Lafayette, Ind. 1950.

WHEELER, WILLIAM A., JR., Assistant Professor of Mechanical Engineering, Cornell University, Ithaca, N. Y. 1950.

WHELAN, DANIEL E., Lt. Commander, U. S. Coast Guard and Geodetic Survey, Los Angeles, Calif. 1949.

WHENMAN, JOHN H., Associate Professor of Mechanical Engineering, Worcester Polytechnic Institute, Worcester, Mass. 1930.

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WHETSTONE, GEORGE A., Associate Professor of Civil Engineering, Texas Technological College, Lubbock, Texas. 1941.

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WHITNEY, RICH D., Administrative Assistant and Recorder, College of Applied Science, Syracuse University, Syracuse 10, N. Y. 1943.

WHITNEY, ROY P., Research Associate, The Institute of Paper Chemistry, Appleton, Wis. 1947.

WHITT, SIDNEY A., Professor and Head, Industrial Engineering, Montana State College, Bozeman, Mont. 1948.

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WHITWELL, JOHN C., Professor of Chemical Engineering, Princeton University, Princeton, N. J. 1936.

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WIDDOP, ROBERT, Professor of Mechanical Engineering, Newark College of Engineering, Newark, N. J. 1932.

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WIDMER, WILBUR J., Instructor in Civil Engineering, University of Connecticut, Storrs, Conn. 1948.

WIECZOREK, BERNARD A., Instructor in Mechanical Engineering, University of Akron, Akron, Ohio. 1947.

WIEDENHOEFER, EDGAR P., Professor of Civil Engineering, Michigan College of M. & T., Houghton, Mich. 1944.

WIESENFELD, JOEL, Assistant Professor of Civil Engineering, Rutgers University, New Brunswick, N. J. 1948.

WIEWALL, MIGUEL, Dean of College of Science, University of Puerto Rico, Mayaguez, P. R. 1947.

WIGGINS, D. M., President, Texas Western College, El Paso, Texas. 1944.

WIGHT, CHARLES L., Instructor in Mechanical Engineering, Bridgeport Engineering Institute, Bridgeport, Conn. 1949.

WIGHT, JOHN W., Editor, Engineering Books, McGraw-Hill Book Co., 330 W. 42nd St., New York 18, N. Y. 1946.

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WILCOX, ELGIN R., Professor and Executive Officer, Dept. of General Engineering, University of Washington, Seattle 5, Wash. (*Member of Council, 1933–36.*) 1925.

WILCOX, JAMES E., Head, Dept. of Engineering, Santa Rosa Junior College, Santa Rosa, Calif. 1934.

WILD, JOHN M., Associate Professor of Aeronautical Engineering, Cornell University, Ithaca, N. Y. 1946.

WILDER, ROBERT A., Head, Dept. of Drawing, Wentworth Institute, Boston, Mass. 1948.

WILDES, KARL L., Associate Professor of Electrical Engineering, Massachusetts Institute of Technology, Cambridge 39, Mass. 1926.

WILE, HOWARD P., Administrator of Research, Polytechnic Institute of Brooklyn, Brooklyn, N. Y. 1946.

WILEY, CARROLL C., Professor of Highway Engineering, University of Illinois, Urbana, Ill. 1936.

WILEY, J. BRUCE, Associate Professor of Electrical Engineering, University of Oklahoma, Norman, Okla. 1948.

WILEY, RALPH B., Head, School of Civil Engineering and Engineering Mechanics, Purdue University, Lafayette, Ind. (*Member of Council, 1938–41.*) 1920.

WILEY, W. O., Publisher of Scientific Books, Chairman of the Board, John Wiley & Sons, Inc., 440 Fourth Ave., New York, N. Y. (*Treasurer, 1907–42.*) *Honorary member.* 1904.

WILEY, WILLIAM B., Vice President and Secretary, John Wiley & Sons, Inc., 440 Fourth Ave., New York, N. Y. 1937.

WILHELM, ERNEST J., Associate Professor of Chemical Engineering, University of Notre Dame, Notre Dame, Ind. 1939.

WILHELM, RICHARD H., Professor of Chemical Engineering, Princeton University, Princeton, N. J. 1936.

WILKE, HARVEY R., Associate Professor of Sanitary Engineering, Purdue University, Lafayette, Ind. 1950.

WILKERSON, ROBERT T., Lecturer in Engineering, University of California, Los Angeles, Calif. 1950.

WILKES, JOSEPH W., Instructor in Industrial Engineering, Washington University, St. Louis 5, Mo.

WILKINS, RONALD E., Registrar, Association of Professional Engineers, Vancouver, B. C. 1950.

WILKINSON, FORD L., JR., President, Rose Polytechnic Institute, Terre Haute, Ind. (*Member of Council, 1943–46.*) 1936.

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WILLEY, CALVIN M., Instructor in Mechanical Engineering, Carnegie Institute of Technology, Pittsburgh, Pa. 1945.

WILLEY, EARL C., Professor of General Engineering, Oregon State College, Corvallis, Ore. 1929.

WILLIAMS, BERT B., Associate Professor of Civil Engineering, The Citadel, Charleston, S. C. 1939.

WILLIAMS, CHARLES K., Instructor in Radio Equipment, U. S. Air Force Technical School, Belleville, Ill. 1950.

WILLIAMS, CHARLES W., Coordinator of Research, Case Institute of Technology, Cleveland, Ohio. 1948.

WILLIAMS, CLINTON E., Associate Professor of Civil Engineering, Union College, Schenectady, N. Y. 1948.

WILLIAMS, DAVID G., Assistant Professor of Engineering, University of Houston, Houston, Texas. 1949.

WILLIAMS, DOUGLAS C., Associate Professor of Industrial Engineering, Ohio State University, Columbus, Ohio. 1949.

WILLIAMS, EDGAR M., Lecturer in Engineering English, University of Virginia, University, Va. 1946.

WILLIAMS, EDWARD L., Vice Director, Industrial Extension Service, Texas A. & M. College, College Station, Texas. 1948.

WILLIAMS, ELBERT E., Instructor in Applied Mechanics, 1109 Francis Ave., Nashville, Tenn. 1950.

WILLIAMS, EVERARD M., Professor of Electrical Engineering, Carnegie Institute of Technology, Pittsburgh 13, Pa. 1939.

WILLIAMS, FLOYD L., Associate Professor of Mechanical Engineering, Texas Technological College, Lubbock, Texas. 1947.

WILLIAMS, FRANK H. M., Professor of Mathematics, Drexel Institute of Technology, Philadelphia, Pa. 1937.

WILLIAMS, G. BRYMER, Associate Professor of Chemical and Metallurgical Engineering, University of Michigan, Ann Arbor, Mich. 1948.

WILLIAMS, GORDON C., Professor and Head, Dept. of Chemical Engineering, University of Louisville, Louisville 8, Ky. 1936.

WILLIAMS, HARRY A., Associate Professor of Civil Engineering, Stanford University, Stanford, Calif. 1947.

WILLIAMS, HERBERT G., Head, English Dept., Lawrence Institute of Technology, Detroit, Mich. 1950.

WILLIAMS, HERMAN B., Associate Research Engineer, Engineering and Industrial Research Station, University of Florida, Gainesville, Fla. 1948.

WILLIAMS, H. PAGE, Professor of Mathematics, North Carolina State College, Raleigh, N. C. 1937.

WILLIAMS, JACK A., Civil Engineer, 1695 Parkline Drive, Apt. 22, Pittsburgh 27, Pa. 1950.

WILLIAMS, LA VERGNE E., Associate Professor of Electrical Engineering, University of Connecticut, Storrs, Conn. 1942.

WILLIAMS, MARVIN O., Instructor in Aeronautical Engineering, Alabama Polytechnic Institute, Auburn, Ala. 1943.

WILLIAMS, PAUL E., Personnel Consultant, Toledo, Ohio. 1948.

WILLIAMS, REX Z., Assistant Dean, Professor of Mechanics, Missouri School of Mines, Rolla, Mo. (*Member of Council, 1949–51.*) 1944.

WILLIAMS, ROBERT A., Instructor in Chemical Engineering, University of Louisville, Louisville, Ky. 1947.

WILLIAMS, ROBERT J., Instructor in Mechanical Engineering, University of Colorado, Boulder, Colo. 1949.

WILLIAMS, ROBERT S., Professor Emeritus of Metallurgy, Massachusetts Institute of Technology, Cambridge 39, Mass. 1943.

WILLIAMS, SAMUEL C., Associate Professor of Economics, Stevens Institute, Hoboken, N. J. 1949.

WILLIAMS, SYLVAN K., Instructor in Electrical Engineering, South Dakota School of Mines, Rapid City, S. D. 1949.

WILLIAMS, VIRGIL C., Central Research Laboratory, General Aniline & Film Corp., Easton, Pa. 1948.

WILLIAMSON, HAROLD A., Assistant Professor of Extension Division, Purdue University, Gary, Ind. 1947.

WILLIAMSON, JAMES, Associate Professor of Industrial Management, University of New Hampshire, Durham, N. H. 1949.

WILLIAMSON, JAMES H., Coordinator, Engineering Department, University of Tennessee, Knoxville, Tenn. 1942.

WILLIAMSON, ROBERT C., Head and Professor of Physics, University of Florida, Gainesville, Fla. 1949.

WILLIG, WALTER L., Professor and Chairman of Civil Engineering, College of the City of New York, New York 31, N. Y. 1937.

WILLIGES, JOHN A., Consulting Engineer, Hamilton & Williges, Oakland 12, Calif. 1943.

WILLIS, BEN S., Assistant Professor of Electrical Engineering, Iowa State College, Ames, Iowa. 1929.

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WILLIS, PHILIP A., Engineering Examiner, U. S. Civil Service Commission, Washington, D. C. 1929.

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WILLOUGHBY, VESTER E., Associate Professor of Mechanics, University of Oklahoma, Norman, Okla. 1949.

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WILSON, DONALD G., Professor of Electrical Engineering, University of Kansas, Lawrence, Kans. 1948.

WILSON, EARL R., Associate Professor of Mechanical Engineering, University of Akron, Akron, Ohio. 1930.

WILSON, ERNEST D., Head, Dept. of Chemical Engineering and Chemistry, Worcester Polytechnic Institute, Worcester, Mass. 1940.

WILSON, FRANCIS H., Circulation Librarian, Purdue University, Lafayette, Ind. 1948.

WILSON, FRANCIS W., President, Wilson Engineering Corp., College House Office, Harvard Squire, Cambridge, Mass. 1931.

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WILSON, GEORGE C., Instructor in Mechanical Engineering, University of Southern California, Los Angeles, Calif. 1949.

WILSON, HAROLD A., Associate Professor of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1939.

WILSON, HENRY D., Technical Employment Representative, Personnel Department, Bell Telephone Laboratories, Inc., New York, N. Y. 1950.

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WILSON, LEROY A., Professor of Mechanical Engineering, University of Wisconsin, Madison 5, Wis. 1923.

WILSON, LEVI T., Professor of Mathematics, United States Naval Academy, Annapolis, Md. 1950.

WILSON, ROBERT E., Representative, Publishing Dept., International Textbook Company, Menlo Park, Calif. 1949.

WILSON, THOMAS H., Adjunct Professor of Chemical Engineering, University of South Carolina, Columbia, S. C. 1950.

WILSON, WARREN E., President, South Dakota School of Mines and Technology, Rapid City, S. D. 1936.

WILSON, WILLIAM A., Associate Professor of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 1950.

WILSON, WILLIAM S., Professor and Head of Chemistry Dept., University of Alaska, College, Alaska. 1948.

WILTSE, STANLEY B., Professor of Electrical Engineering, Rensselaer Polytechnic Institute, Troy, N. Y. 1935.

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WINFREY, ROBLEY, Professor of Civil Engineering, Research Professor, Engineering Experiment Station, Iowa State College, Ames, Iowa. 1940.

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WINKLER, SEYMOUR H., Instructor in General Engineering, Purdue University, Lafayette, Ind. 1950.

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WINTER, FREDERICK C., Assistant Professor of Industrial Engineering, Columbia University, New York, N. Y. 1950.

WINTON, L. S., Professor of Mathematics, North Carolina State College, Raleigh, N. C. 1948.

WISCHMEYER, CARL, Vice President and Professor of Mechanical Engineering, Rose Polytechnic Institute, Terre Haute, Ind. 1929.

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WISCHNIA, HERBERT F., Instructor in Electrical Engineering, Pennsylvania State College, State College, Pa. 1948.

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WISLEY, EDWARD F., Professor of Aeronautical Engineering, Ohio University, Athens, Ohio. 1939.

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WITTIG, FREDERICK E., Assistant Professor of Mechanical Engineering, Michigan College of M. & T., Houghton, Mich. 1941.

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WLADAVER, IRWIN, Assistant Professor of Engineering Drawing, New York University, New York 53, N. Y. 1943.

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WOLPERT, NATHAN N., Associate Editor, The Industrial Press, 148 Lafayette St., New York, N. Y. 1948.

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WOMOCHEL, HOWARD L., Associate Professor of Mechanical Engineering, Michigan State College, East Lansing, Mich. 1950.

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Kintzer, N. D., *Mech. & Mat.*
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Lueck, D. W., *General E.*
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Razak, C. K.
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Seeger, R. J., *Physics*
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Ceaglske, N. H.
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Chew, W. W., *Chemistry*
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Coull, J., *Refrig.*
Courtney, G. W.
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Cunningham, W. A., *Min. Dress.*
Dailey, L. T., *Electrical*
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Danielson, D. C., *Physics*
Davis, D. C.
Deane, C. W.
Deller, A. W., *Patents*
Deschner, W. W.
Dicks, R. S.
Dodge, B. F., *Chemistry*
Dodge, E. H., *Chemistry*
Donnelly, H. G., *Mineral Tech.*
Doody, T. C., *Chem.; Physics*
Drew, T. B., *Math.*
Duhne, C. R., *Chemistry*
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Duncombe, C. G., *Chemistry*
Dwyer, O. E., *Thermodynamics*
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Elgin, J. C., *Chemistry*
Epperson, E. R., *Chemistry*
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Fisher, R. A., *Chemistry*
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Hanslick, R. S.
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Hauser, E. A., *Colloid Chemistry*
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Hecker, C. H., *Chemistry*
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Mason, J. W.
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Stern, H.
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Taylor, F. M., *Chemistry*
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Thompson, D., *Min. Tech.*
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Toner, R. K.
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Walsh, T. J., *Chemistry*
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Wheeler, W. H., *Struc.*
White, A. H., *Metallurgy*
White, G. E., *Phys. Met.*
White, J., *Chemistry*
White, R. E., *Chemistry*
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Whitman, W. G., *Pet.*
Whitney, R. P., *Paper Chem.*
Whitwell, J. C., *Textiles*
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Wilhelm, R. H., *Chemistry*
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Williams, E. B., *Pet. & Nat. Gas*
Williams, G. C., *Metallurgy*
Williams, R. A.
Williams, V. C., *Mineral Tech.*
Wilson, E. D., *Chemistry*
Wilson, T. H., *Chemistry*
Winding, C. C., *Chemistry*
Withrow, J. R., *Mineral Tech., Retired*
Wohl, K., *Physics*
Wolf, W. W., *Pet.*
Wood, W. P., *Min. Tech.*
Workman, H. J., *Pers.*
York, J. L., *Mineral Dressing*
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Zur Burg, F. W.

CHEMISTRY

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Bartow, Edward, *San.*
Bauder, F. W.
Baxter, R. A., *Pet.*
Billings, E. R., *Adm.*
Branin, M. L.
Brown, F. W., *Metal.*
Chase, E. F., *Chemical*
Chelberg, R. R.
Clark, F. F., *Min. Tech.*
Cloke, J. B., *Organic*
Curran, T. B., *Industrial; Met.*
Disque, F. C., *Mathematics*
Dixier, D. S.
Douglass, I. B.
Dow, F. A., *Phys.; Aero.*
Dumke, W. H., *Min. Tech.*
Durkee, F. W.
Duvall, M. G.
Edwards, H. L., *Physics*
Fender, L. C.
German, L.
Gisel, E. A.
Gray, J. C.
Gustafson, B. G.
Haas, E. G.
Hanson, R. S., *Chemical*
Hodgson, R. H.
Howe, W. W.
Hunt, L. W.
Inigo, Maria A., *Mathematics*
Jacobs, E. B.
Jahren, C. E., *Physics*
Jones, W. H.
Komarewsky, V. T., *Chemical*
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Makens, R. F.
Martin, W. J.
McClarnon, J. J.
Neville, H. A., *Chemical Eng.*
O'Connor, W. F., *Chem. E.*
Osterhof, G. G., *Chemical*
Oswald, C. T.
Otto, C. E.
Perry, R. J., *Chemical*
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Quam, G. N.
Ryan, M. M.
Sabott, F. K.
Sandvig, R. L., *Chemical*
Sasin, G. S.
Schilz, C. E., *Physics*
Schlosser, F., *Physics; Tech.*
Schufle, J. A., *Math.*
Sherwood, C. S., *Physics*
Strong, R. K., *Chemical*
Stubbs, M. F.
Sutliff, J. W., *Chemical*
Swift, R. E., *Mineral Tech.*
Taylor, J. A., *Met.*
Tully, T. J., *Chemical*
Turner, E. M.
Turney, B. M.

von Fischer, W., *Chem. & Ch. E.*
Walbaum, A. H., *Chemical*
Walker, S. B., *General E.*
Ward, L. S.
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Wilson, W. S., *Physics*
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CIVIL ENGINEERING

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Adams, T. C., *Structural; Surveying*
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Aikin, H. B., Surveying; *Mech. & Mat.*
Aird, C. C.
Albertson, M. L., *Hydraulics*
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Allen, R. B., *Structural; Arch.*
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Alsmeyer, W. C., *Structures; Mech. & Mat.*
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Bauer, E. E., *Materials*
Bazant, T. Z., *Constr.; Soil Mech.*
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Cummings, R. H., *San.*
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Evans, K. H., *Structural; Soil Mechs.*
Evans, T. H.
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Eye, J. D., *San.*
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Folk, J. T., *Des. Geom.*
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Cannon, J. H., *Power, Comm.*
Cardoso, A. C.
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Carter, G. K., *Power*
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Chang, S. Y., *Electr.*
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Newsom, C. V.
Nicholas, C. P.
Noble, K. L.
Nolstad, A. R.
O'Brien, R. J., *Tech. Inst.*
Ollivier, A.
Otis, F. F.
Owens, F. W., *Electrical*
Palmer, T. P.
Pananides, N. A., *Civil; Draw.*
Panton, H. A.
Park, H. V., *Mech. & Mat.*
Parrott, A. A., *English*
Pease, E. M. J., *Electrical*
Peirce, G. H.
Peterson, D. F., *Civil*
Pirchio, P. M., *Languages*
Pitkin, E. S. B., *Mech.*
Plant, L. C., *General; Physics*
Pohle, F. V., *Mech.*
Pollick, H. J., *Physics*
Potor, V. A., *Physics*
Poulsen, F., *Drawing*
Prager, W., *Mech. & Mat.*
Purdie, K. S.
Rankin, R. M., *Civil*
Reeks, M. R., *Eng. Dr.*
Reingold, H.
Reinsch, B. P., *Physics*
Restemeyer, W. E., *Electrical*
Rice, Harris
Rietz, H. L., *Economics*

Ritter, I. F.
Roberts, E.
Robinson, R. H.
Roever, W. H., *Mechanics*
Rogers, F. W., *Mech. & Mat.*
Root, R. E., *Mechanics & Materials*
Rose, N. J., *Physics*
Rosenbach, J. B., *Physics*
Ross, R. M., *Physics*
Roth, S. G.
Rumble, C. A.
Runge, H. M.
Runge, L. L., *Economics*
Rutland, L. W.
Sanchez-Diaz, R., *Chemistry*
Sandstrom, H. E., *Physics*
Schmidt, H. P., *Physics*
Schraut, K. C.
Selby, S., *Physics*
Sedgwick, C. H. W., *Quality Control*
Shahdon, P., *Physics*
Shutts, H. A.
Simester, J. H.
Simmons, F. A., *Civil*
Smith, B. D., *Mech. & Mat.*
Smith, E. S., *Mechanics*
Smith, S. R., *Physics*
Smith, T. C., *Drawing*
Snively, L. C., *Electrical; Power*
Solt, M. R.
Spacie, E. G., *Physics*
Spear, Joseph, *Human-Social*
Sperline, M. E.
Spiegel, D. K., *Economics*
Stahl, K. H.
Stauffer, J. R. K., *General*
Stavnes, S. A., *Mechanics*
Stevenson, M. L., *Metallurgy*
Stough, B. N.
Stout, C. E., *Math.*
Strane, A. J., *Human.-Social*
Strobel, C. F., *Physics*
Surbaugh, J. W., *Mech. & Mat.*
Suter, A. K.
Swanson, E. L., *Music*
Swanton, W. F., *Chemical*
Sweeney, P. K.
Taylor, W. C., Jr., *Mechanics*
Terrell, W. P., *Mechanics*
Thomas, C. F., *Civil. surveying*
Thomas, D. Boyd, *Mech. & Mat.*
Thomson, J. B.
Tittle, M. E.
Tovani, E. P., *Power*
Turrittin, H. L., *Mechanics*
Van Buskirk, H. C.
Van Voorhis, W. R., *Statistics*
Varner, W. W., *Physics*
Vedova, G. C., *Mechanics*
Virene, E. P.
Vopni, S., *Physics*
Wagner, J. F.
Wald, J. H.
Wall, J. G., *Physics*
Warnock, W. G.
Warschawski, S. E.
Wasel, A. D.
Wasson, H. P.
Watrous, E. R.
Watson, G. C.
Webster, H. L.
Welsh, M. A.
Wherry, J. E.
White, E. L., *Electrical*
Whitford, D. E., *Mechanics*
Williams, F. H. M.
Williams, H. P., *English; Psychology*
Wilson, L. T., *Ed. Adm.*
Winton, L. S.
Wood, H. A., *Aeronautics*
Wulf, H. E. J., *Mech. & Mat.*
Wylie, C. R., Jr., *English*
Yanosik, G. A., *Civil, structural*
York, G. A.
Zant, J. H.
Zeldin, S. D., *General*
Zilly, R. G., *Drawing; Mech. & Mat.*

MECHANICAL ENGINEERING

Acker, D. D., *Mach. Des.; Mach. Des.*
Acker, S. H., *Ind.; Mach. Des.*
Adams, R.
Ahern, J. J., *Industrial*
Aiken, H. H., *Mach. Des.; Thermo. & Power*
Aikman, J. B.
Akerman, J. R., *Heat Power*
Aldrich, B. M., *Heats & Metals*
Aldrich, D. E., *Power Plants*
Alejandre, B. A., *Mfg. Proc.; Shop*
Algren, A. B., *Refrigeration*
Allen, C. M., *Refrigeration*
Allen, F. E., *Metallurgy*
Allen, P., *Mat.; Thermo. & Power*
Allen, R. L., *Heat Power*
Allman, J. M., *Mach. Des.*
Allen, S. C., *Draw.; Mach. Des.*
Almsted, F. E., *Naval*
Altoz, F. E.
Alvord, H. H., *Mach. Des.*
Ambrosius, E. E., *Heat Power*
Amidon, L. L., *Mach. Des.; Heat Power*
Amos, H. C.
Amstead, B. H.
Andeen, J. W., *Heat Power*
Anderson, A. W., *Heat Power*
Anderson, C. E., *Heat Power*
Anderson, C. G.
Anderson, C. O., *Heat Power*
Anderson, E., *Heat Power; Power Plants*
Anderson, E. W.
Anderson, F. A., *Mach. Des.*
Anderson, J. H., *Mfg. Proc.; Metallurgy*
Andolina, A. V.
Andrews, A. H., *Civil*
Andrews, D. K.
Apple, J. M., *Ind. Eng.*
Applegate, J. E., *Power Pl.*
Arents, C. A., *Electrical; Mach. Des.*
Arnold, J. E., *Mach. Des.; Mech.*
Astill, K. N., *Heat Power; Shops*
Ault, E. S., *Machine Design; Mech. & Mat.*
Aupperle, G. L.
Auth, G. H., *Mach. Des., H-P.*
Ayers, M. T., *Machine Design*
Ayre, R. S., *Mech. & Mat.*
Azpell, E. W., *Design; Mech.*
Baars, E. S. H., *Refrig.*
Bacha, C. P., *Heat Power*
Bachman, C. L., *Heat Power*
Bacon, R. A., *Mech. & Mat.*
Bailey, J. F., *Heat; Power*
Bailey, N. P., *Heat Power*
Bailey, W. S., *Mach. Des.; Mfg. Proc.*
Baker, H. D., *Physics; Heat Power*
Baker, H. M., *Heat Power*
Baker, J. B., *Heat Power; Mach. Des.*
Baker, J. F.
Bakken, S. E., *Draw.; Gen.*
Baldo, A. F., *Mach. Des.; Mech.*
Bannon, R. E., *Thermo. & Power; Metal.*
Barnard, N. H., *Mfg. Proc., Industrial*
Barnes, R. H., *Draw.; Desc. Geom.*
Barnwell, J. H.
Bartels, J., *Heat Power*
Bartlett, L. H., *Chemical*
Basu, A. K.
Batchellor, H. B., *Heat Power*
Bates, M. E., *Machine Des.*
Baumeister, T., *Thermo. & Power*
Baxter, A. N.
Bayer, B. M., *Industrial; Thermo. & Power*
Baylor, J. E., *Mfg. Proc. H.-P.*
Bayne, J. W.
Beakley, G. C., *Physics; Gen.*
Beattie, W. S., *Heat Power*

Beckwith, T. G., *Machine Design*
Begeman, M. L., *Mfg. Proc.; Industrial*
Beitler, S. R., *Heat Power*
Bell, J. H., *Power; Mech. & Mat.*
Bell, N. R., *Electrical; Power Pl.*
Benecke, R. O., *Mech.*
Benedict, O., *Mfg. Proc.; Metal.*
Benson, L. R., *Mfg. Proc.; Met.*
Bergethon, O. M., *Heat Power; Mech. & Mat.*
Bergh, D. A., *Min.; S. & M. A.*
Bergren, E. L., *Drawing*
Bergren, G. W., *Machine Des.; Mech. & Mat.*
Berry, C. H., *Heat Power; Power Plants*
Berryman, L. G., *Mineral Tech.*
Besio, C. A., *H-P; Metallurgy*
Best, H. W.
Bezbatchenko, M., *Draw.; Mfg. Proc.*
Billings, E. J., *H.P.; Power Pls.*
Billings, J. H., *Mach. Des.; Aero.*
Billmyer, C. D., *Machine Design; Indus.*
Binder, R. C., *Mech. & Mat.*
Biretta, V. J., *Chemistry*
Birkness, H. A., *Mach. Des.; General*
Birnie, H. F.
Bischof, G. J., *Metallurgy; Mfg. Proc.*
Bischoff, C. A., *Mach. Des.*
Bjork, J. A., *Mach. Des.*
Black, H. M., *Mech. & Mat.*
Black, P. H., *Mech. & Mat.*
Blackburn, H. W., *Heat Power*
Blaisdell, A. H., *Aeronautics*
Blakeslee, H. W.
Blakeslee, T. R.
Blanche, J. G., *Heat Power*
Bliss, Z. R., *Mach. Des.; Electrical*
Bock, A. E., *Power; Marine*
Bodger, W. K.
Boehmer, A. P., *Heat & Power; Metal.*
Bogard, B. T., *Industrial*
Bogardus, F. J., *Mach. Des.; Mech. & Mat.*
Bogucz, E. A., *Thermo. & Power*
Bolstad, M. M., *Thermo. & Power*
Bolt, J. A., *Thermo. & Power*
Bolz, H. A., *Mach. Design; Mech. & Mat.*
Boore, W. F.
Bordt, F. J., *Heat Power*
Boston, O. W., *Mfg. Proc.; Mach. Des.*
Bourke, N., *Mach. Des.*
Boutwell, F. K., *Mech. & Mat.*
Bowman, H. T., *Heat Pr.; Mech. & Mat.*
Boyan, E. A.
Boyer, G. C., *H.-P., Power Plants*
Boyer, M. C.
Boynton, J. E., *Machine Design. Heat Pr.*
Bradish, J. P.
Brainard, B. B., *Heat Power; Min. Tech.*
Bray, W. G., *Heat Power; Mach. Des.*
Breckenridge, R. W., *Mfg. Proc.; Shop*
Brenkert, K., Jr.
Brickler, A. J., *Mech. & Mat.*
Broghamer, E. L., *Mach. Des.; Mech.*
Brookes, J. G.
Brown, A. I., *Heat Power; Refrig.*
Brown, A. L., *Heat. Refrigeration*
Brown, D. H., *Heat Power*
Brown, H. K., *Math.; Mech. & Mat.*
Brown, J. M., *Math.; Mach. Des.*
Brown, J. S., *H-P.; Drawing*
Brown, R. E., *Mathematics*
Brown, T. C., *Drawing*
Buchbinder, H. G., *Mech. & Mat.*
Bucher, P., *Heat Power; Power Plants*
Buck, N. L., *Mech. Des.; Mech. & Mat.*
Buckingham, E., *Mach. Des.; Mech.*
Budenholzer, R. A., *Heat Power; Mech.*
Bullock, R. G., *Draw.; Mfg. Proc.*
Bunting, J. W., *Heat; Power*
Burns, C. I.
Burns, F. P., *Physics; Heat Power*
Burr, A. H., *Mach. Des.; Mech. & Mat.*
Bursley, J. A., *Heat Power*
Bussell, W. H.
Butler, H. W., *Thermo. & Power; Aero.*
Butterfield, T. E., *Aero.*

Byers, N. R., *Mach. Des.; Mech.*
Caddess, J. H., *Mach. Des.; Mech. & Mat.*
Calhoon, F. N., *Thermo. & Power*
Cambel, A. B., *Math.; Heat Power*
Cambre, R. J., *Drawing; Math.*
Campbell, F. R., *Drawing; Mach. Des.*
Campbell, G. P.
Campbell, J. M., *Heat Power*
Campbell, J. S., *Mach. Des.; Shops*
Campbell, R. W., *Mechs. & Mat.; Power*
Candee, F. W., *Heat Power*
Cantlupe, V. J., *Draw.; Mech. Des.*
Carmichael, Colin, *Machine Design*
Carpenter, E. L.
Carroll, F. T., *Aeronautics*
Carter, C. L.
Carter, G. W., *Mach. Des.; Thermo. & Power*
Carter, W. J., *Mech. & Mat.; Mach. Des.*
Carvin, F. D., *Heat Power; Physics*
Casberg, C. H., *Industrial*
Case, A. A., *Shop*
Castellanos, L. J.
Cather, H. M., *Heat Power; Power Pls.*
Chaikin, P., *Draw.; Ind.*
Chambers, W. R., *Gen.; Thermo. & Power*
Chapel, R. E., *Drawing; Mach. Des.*
Chapman, A. J., *Heat Power; Math.*
Chapman, R. G., *Mach. Des.*
Chappelle, T. W., *Coord. Coop.*
Chase, C. H., *Mach. Des.; Power P.*
Chase, W. F., *Thermo. & Power*
Chasteen, J. S., *Heat Power; Draw.*
Cheatham, J. C., *Heat Power*
Chieri, P. A., *Aero.; Thermo. & Power*
Chipak, R. F., *Ind.*
Christie, A. G., *Power Plants; Ind. E.*
Chumley, J. G., *Draw.; Shop*
Church, A. H., *Machine Des.*
Church, E. F., *Thermo. & Power*
Churchill, L. S., *Heat Power; Gen.*
Ciurlys, J.
Clamons, E. H., *Mach. Des.; Mech.*
Clark, D. S., *Mfg. Proc.; Pers.*
Clark, D. S., *Mat.*
Clark, J. W.
Clark, R. E., *Heat Power*
Cleghorn, M. P., *Heat Power; Power Pls.*
Clement, W. D., *Drawing*
Clements, W. B., *Industrial; Mfg. Proc.*
Clower, J. I., *Machine Design*
Coffey, J. W., *Mfg. Proc.*
Cogburn, C. O.
Colbert, T. P., *Machine Design; Mech. & Mat.*
Colby, H. R.
Cole, D. H., *Mathematics*
Cole, R. H.
Cole, R. W., *Drawing*
Collard, A. A., *Mechanics*
Collier, H. E., *General*
Collier, M. S.
Colvin, C. H.
Comassar, S., *Marine*
Connell, C. R.
Conner, N. W., *Mech. & Mat.; Mach. Des.*
Conta, B. J., *Thermo. & Power*
Conta, L. D., *Thermo. & Power*
Coogan, C. H., *Heat Power*
Cook, M. A., *Machine Design*
Cooper, L. B., *Mach. Des.*
Cope, R. L., *Shop*
Cope, W. J., *Heat Power*
Copeland, E. H., *Thermo. & Power*
Cornet, I. I., *Thermo. & Power; Met.*
Costello, R. J., *Heat Power; Mech. & Mat.*
CoVan, J. P., *Mfg. Processes*
Coward, S. D.
Cowie, Alexander, *Machine Design*
Cox, J. E., *Heat Power*
Cox, W. N., *Safety*
Crain, R. W.
Crandall, S. H., *Mech. & Mat.*
Crawford, C. W., *Indus.; Mech. & Mat.*
Croft, H. O., *Heat Power; Economics*
Cromer, O. C., *Heat Power*

Crossley, F. R. E., *Mechanics*
Crowder, B. A., *Mfg. Processes*
Cudd, J. B., *Tech. Inst.*
Culver, E. G., *Machine Design*
Daasch, H. L.
Daniel, L. R., *Mach. Des.; Thermo. & Power*
Daskin, W., *Aero.; Thermo. & Power*
Daugherty, R. L., *Hydraulics; Heat Power*
Davey, J. T., *Mach. Des.*
David, W. J., *Mach. Des.*
Davidson, D. E., *Heat Power*
Davies, S. J., *H-P., Refrig., Power Pl.*
Davis, C. P.
Davis, L. E., *Mfg. Pro.; Industrial*
Davis, S. S., *Heat Power*
Dawson, E. F., *Air Conditioning*
Day, E. E.
DeCarolis, J. J., *Mech. & Mat.*
DeGarmo, E. P., *Industrial; Mfg. Proc.*
Delich, M.
Delmonte, J., *Mech.*
DelVecchio, A., *Heat Power; Shop & Mech.*
Den Hartog, J. P.
Dent, J. A., *Heat Power; Mech.*
Deschere, A. R., *H.-P.; Industrial*
Devine, Jas. J., *Heat Power*
Diakoff, A. J., *Thermo. & Power*
Diboll, W. B., *Mfg. Proc.; Heat Power*
Dillaway, R. B., *Aero.; Physics*
Dittfach, J. H., *Thermo. & Power*
Dodge, J. C., *Mfg. Proc.; Ind.*
Doerr, L. O., *Mech. & Mat.; Mfg. Proc.*
Domonoske, A. B.
Donaldson, C., *Machine Des.; Ind.*
Donovan, E. T., *Heat Power; Power Pls.*
Doolittle, J. S., *Heat Power; Refrig.*
Dougherty, C. R. G., *Chem. E.*
Doughtie, V. L., *Machine Design; Mech. & Mat.*
Dowell, Dawson
Downing, D. G., *Mach. Des.; Mech. & Mat.*
Downs, J. B. T., *Machine Design, H.-P.*
Dows, H. W., *Mfg. Processes; Shop*
Doyle, J. P., *Thermo. & Power*
Drechsler, F. S., *Met.; Thermo. & Power*
Dropkin, D., *Heat Power*
Duncan, A. H.
Duncan, S. F., *Mach. Des.; Heat Power*
Dunlap, A. L., *Mech. & Mat.; Mach. Des.*
DuPriest, J. R., *Mach. Des.; Heat Power*
Durand, W. F.
Duryea, D. W.
Dusinberre, G. M., *Heat Power*
Easton, W. H., *Mach. Des.; Heat Power*
Eaton, H. D., *Gen.; Power*
Eaton, P. B., *Mach. Des.; Heat Power*
Eckerman, E. H., *Mech. & Mat.*
Eckhardt, C. J., *Heat Power; Refrig.*
Eckman, D. P., *Thermo. & Power*
Edelman, C., *Refrig.*
Edmonson, G. V., *Hydro-Mech. Engrg.*
Edwards, J. L., *Heat Power*
Egilsrud, F. S., *Heat Power; Power Pl.*
Egry, C. R., *Machine Design; Ind.*
Elliott, B. G., *Heat Power; Power Plants*
Emerson, E. D., *Heat Power; Ind. E.*
Emerson, W. D., *Heat Power; Gen.*
Endsley, L. E.
Engleman, H. W.
Epple, A. B., *Heat Power*
Erdoss, B. K., *Aeronautics; Mech.*
Ermene, J. J., *Heat Power*
Erneman, H. G., *Heat Power*
Espy, W. N., *Thermo.; Mech.*
Ettore, J. E., *Draw.; Mach. Des.*
Evans, F. P., *Mach. Des.; Mechanics*
Eyre, T. T., *Heat Power; Refrigeration*
Fahnestock, M. K., *Refrigeration*
Faires, V. M., *Mach. Des.; Heat Power*
Fairfield, J. G., *Heat Power; Mach. Des.*
Faneuf, J. O., *Thermo. & Power; Mat.*
Farber, E. A., *Aero.; Thermo. & Power*
Faucett, T. R.
Fax, D. H., *H-P; Mech. & Mat.*
Fayram, R. A., *Thermo. & Power; Physics*
Feener, D. H., *Aeronautics; Heat Power*
Feiereisen, W. J., *Thermo. & Power*
Fellinger, R. C., *Thermo. & Power*
Fellows, J. R., *Heat Power; Civil*
Fellows, R. D., *Heat Power*
Fenn, F. H.
Ferguson, E. S., *Heat Power*
Fernald, E. M., *Heat Power; Physics*
Fernow, B. E., *Heat Power; Power Pl.*
Ferrell, W. L., *Heat Power*
Ferretti, A. J., *Heat Power; Mech.*
Files, C. W., *Heat Power; Aero.*
Finch, V. C.
Finch, R. B., *Mech. & Mat.*
Finlayson, F. S., *Fluid Mech.; Aero.*
Fisher, D. A., *Heat Power*
Fitch, W. C., *Economics*
Fittz, R. U., *Thermo. & Power*
Flanigan, A. E., *Mineral Tech.*
Flanigan, F. M., *Mach. Des.; Mfg. Proc.*
Fleming, D. W.
Fleming, R. W., *Mach. Des.*
Fleming, W. J., *Heat Power; Mech.*
Flinner, A. O., *Heat Power; Power Pl.*
Flitner, D. P., *Mach. Des.; Heat Power*
Flodin, J., *Mech. & Mat.*
Flory, F. C., *Mfg. Proc.*
Folsom, R. G., *Aero.; Fluid Mech.*
Foote, E. G.
Ford, A. D., *Aeronautics*
Forstall, W., *Thermo. & Power*
Foster, C. A. B., *Drawing*
Fowler, K. W., *Mfg. Proc.; Shop & M. A.*
Fowler, R. W., *Mach. Des.*
Fox, B. J., *Heat Power; Mech. & Mat.*
Foxwell, W. H., *Mach. Des.; M. & M.*
Freberg, C. R., *Mach. Des.; Naval*
Freeman, R. L., *Met.*
Fried, B., *Physics; Mech.*
Frier, J. L., *Mach. Des.*
Froomkin, N. G.
Fry, H. P., *Mach. Des.; Draw.*
Fuller, C. E., *Gen. E.*
Fuller, F. L.
Fullerton, H. P., *Machine Design*
Galef, A. E., *Mech. & Mat.*
Gallalee, J. M., *Heat Power; Power Pls.*
Gamble, C. R., *Mfg. Proc.; Thermo. & Power*
Garbett, C. R., *Heat Power*
Garman, W. D., *Aero.; Mechanics*
Garrell, B. S., *Heat Power; Mech. & Mat.*
Gatcombe, E. K., *Machine Design*
Gatley, W. R., *Mfg. Proc.*
Gauss, H. F., *Machine Design; Res.*
Gauthier, V. J.
Gay, N. R., *Heat Power*
Geiger, J. W., *Heat Power; Aero.*
Georgian, J. C., *Mach. Des.; Mech.*
Gershun, T. L., *Heat Power; Mfg. Proc.*
Gertz, S. A., *Heat Power*
Getchell, E. L., *Mechanics*
Gibbs, R. E., *Heat Power; Power Plants*
Gilbert, M. L., *General*
Gilbert, W. W., *Mfg. Proc.; Aero.*
Giles, A. G., *Drawing*
Gilpin, C. A., *Ind.; Mfg. Proc.*
Gingrich, R. F., *Maintenance*
Gjesdahl, M. S., *Machine Design; Draw.*
Gleason, J. G., *Aeronautics*
Goglia, G. L., *Heat; Power*
Goglia, M. J., *Aeronautics*
Good, C. W., *Mach. Des.*
Goode, H. P., *Industrial; Mfg. Proc.*
Goodman, W., *Refrig.*
Goodrich, L. B. H., *Thermo. & Power; Econ.*
Gordon, I.
Gordon, P. B., *Heat Power*
Gorman, W. M., *Shop & Mech. Arts; Draw.*
Gottschall, C. R., *Mach. Des.; Ind.*
Gould, A. B., *Mfg. Proc.*
Gould, A. F.
Grabski, J. D., *Heat Power*
Grace, C. T., *Machine Design; Mech.*
Gralak, S. D., *Mach. Des.; Mech. & Mat.*

Grassi, R. C., *Industrial*
Gray, M. E., *Mfg. Proc.*
Greeley, C. E., *Heat Power*
Green, B. M., *Machine Des.; Mech. & Mat.*
Green, W. A., *Heat Power*
Green, W. P., *Heat Power; Math.*
Greenwald, D. U., *Industrial*
Greffe, C. D., *Mach. Des.; Mech. & Mat.*
Greyson, J. C., *Mechanics*
Griffin, F. S., *Mach. Des.; Eng. Drawing*
Griffis, W. K., *Mfg. Proc.; Ind.*
Griswold, A. H.
Groom, V. R., *Ind. Engrg.*
Guenther, O. V., *Mech. & Mat., Drawing*
Guerdan, G. A., *Mach. Design; Mfg. Proc.*
Guidon, M., *Physics; Thermo. & Power*
Gullikson, A. C., *Drawing*
Gwiazdowski, A. P., *Mfg. Proc.; Ind.*
Hall, A. S., *Mach. Design; Mech. & Mat.*
Hall, C. A., *Heat Power; General*
Hall, N. A., *Heat Power; Aeronautics*
Hall, W. A., *Fluid Mechs.*
Hamilton, D. C., *Physics; Thermo. & Power*
Hamilton, E. H., *Heat Power; Shop*
Hamilton, H. C.
Hamilton, H. J., *Math.; Thermo. & Power*
Hammershaimb, G. T., *Thermo. & Power*
Hampton, W. C., *Draw.; Gen.*
Hanley, G. P., *Heat Power*
Hannum, F. W.
Hanson, K. P., *Heat Power*
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Harding, A. H.
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Harrington, R. L., *Industrial*
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Smith, E. B., *Heat Power; Mech. & Mat.*
Smith, F. T.
Smith, G. B., *Machine Design*
Smith, I. W., *Mach. Des.; Mech. & Mat.*
Smith, J. H., *Mach. Des.; Drawing*
Smith, J. W.
Smith, M. L., *Thermo. & Power*
Smith, R. A., *Mfg. Proc.*
Smith, R. K., *H-P.; Refrig.*
Smith, R. L., *Mach. Des.; Math.*
Smith, R. V., *Heat; Aeronautics*
Smith, R. V., *Thermo. & Power*
Sneed, C. M., *Ind.; Thermo. & Power*
Snider, M., *Mach. Des.; Heat Power*
Snyder, H., *Heat Power; Shop & Mech.*
Snyder, W. E., *Heat Power; Physics*
Soderberg, C. R., *Mechanics*
Soderberg, L. R.
Solberg, H. L., *Heat Power; Power Pls.*
Solnick, R. L., *Gen.; Thermo. & Power*
Sonnenschein, C. L., *Mach. Des., Mech.*
Sorensen, H. A., *Heat Power*
Sorenson, A. E., *Power Pl.*
Sovran, G., *Math.; Thermo. & Power*
Sparks, N. R., *Thermo. & Power*
Sparrow, T. A., *Heat Power; Hydr.*
Spence, R. S., *Machine Design*
Spooner, C. W., *Marine*
Springer, E. K., *Mfg. Proc., H-P.*
Spurlock, B. H., *Heat Power; Refrig.*
Stair, W. K., *Mfg. Proc.; Thermo. & Power*
Stanley, R. L., *Mach. Des., Heat Power*
Staples, C. W., *Drawing; Ind. E.*
Starr, C., *Shop; Mfg. Proc.*
Starr, M. O., *Transport.*
Stearns, F. A., *Heat Power; M. & M.*
Stecker, F. F., *Heat Power, Power Pl.*
Steele, T. K., *Mach. Des.; Thermo. & Power*
Stefani, Luis, *Mach. Des.; Heat Power*
Steidel, R. F., Jr., *Thermo. & Power; Mech.*
Steinhauser, A. L., *Mfg. Proc.*
Stene, J. K., *Thermo. & Power*
Stenger, R. R., *Ind.; Mat.*
Stephan, E. R., *Mach. Des.; Mech. & Mat.*
Stephenson, O. W., *General*
Stetson, G. A., *Mech. & Mat.; Economics*
Stett, J. D., *Metallurgy*
Stevason, C. C., *Mach. Des. Mfg. Proc.*
Stevens, H. E., *Machine Design; Indus.*
Stevens, W. J., *Mach. Des.; Mfg. Proc.*
Stewart, R. B., *Thermo. & Power*
Stiening, F. H., *Mach. Des.; Refrig.*
Stinson, K. W., *Heat Power; Aero.*
Stoddard, R. J., *Structural*
Stoever, H. J., *Heat Power*
Stolworthy, E. H., *Aeron.; Heat Power*
Stone, O. N., *Math.; Draw.*
Stone, R. G., *H-P, Power Pl., Mech.*
Strauss, H. E., *Heat Power; Power Pls.*
Strate, J. T., *Heat Power*
Strelzoff, J. A.
Strout, R. P., *Thermo. & Power*
Stuart, H. F., *Heat Power; Ind.*
Stuart, M. C., *Heat Power; P. Plants*
Sullivan, F. J., *Mach. Des.; Eng. Draw.*
Sullivan, G. E., *Thermo. & Power; Mech.*
Summer, J. R., *Gen.; Thermo. & Power*
Svenson, C. L., *Thermo. & Power*
Sweeney, R. J., *Heat Power; Refrig.*
Swenson, J. D., *Heat Power; Drawing*
Swift, R. E., *Metallurgy*
Swineford, C. R., *Mach. Des.; Eng. Draw.*
Szczerbacki, S., *General*
Tait, R. S., *Machine Design; Thermo. & Power*
Taylor, C. N.
Taylor, W. S., *Heat Power*
Teal, E. A., *Industrial*
Tegtmeyer, R. C., *Heat Power; Ind.*
Terrell, W. P.
Tess, P. J., *Drawing*
Thigpen, J. J.
Thom, G. B., *Heat Power; Ind.*
Thomas, F. H., *Mfg. Processes; Indus.*
Thomas, J. H., *Heat Power; Elec. & Comm.*
Thompson, C. H.
Thompson, J. G. H., *Mach. Des.; Mech.*
Thompson, L. P., *Mach. Des., Mech. & Mat.*
Thomson, C. M., *Mfg. Proc.; Metal.*
Thornburg, M. L., *Power Pl.*
Thornton, G. E., *Drawing*
Tichvinsky, L. M., *Thermo. & Power*
Tobey, A. C., *Heat Power*

Toews, G. P., *Heat Power; Refrig.*
Tomkins, S. E., *Mach. Des.*
Tracy, S. J., *Heat Power; Mech. & Mat.*
Treat, B. F., *Heat Power; Physics*
Trenkle, R. J., *Power*
Trent, C. E., *Machine Design*
Tribus, M., *Chemical*
Trigger, K. J., *Mfg. Proc.; Met.*
Trinkle, R. J., *Power; Elec.*
Tripp, W., *Heat Power; Aeronautics*
Trotter, R. A., *Machine Design*
Trowbridge, R. N., *Safety*
Troxler, J. R., *Heat Power, Power Pl.*
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Truettner, W. I., *Aeronautics*
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Trummel, J. M., *Machine Design; M. & M.*
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Twining, R. B., *Thermo. & Power; Mat.*
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Upp, C. R., *Heat Power; Power Plants*
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Van Vorst, W. D., *Chemical*
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Vaughan, L. L., *Heat Power; Power Pls.*
Venn, R. E., *Drawing*
VerPlanck, D. W., *Electrical*
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Vittucci, R. V., *Heat Power; Refrig.*
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Vopat, W. A., *Heat Power; Power Plants*
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Vose, T. L.
Vuilleumier, R. O., *Heat Power*
Wackenhut, N. H., *Heat Power*
Wagner, C. A., *Heat Power; Power Pl.*
Wagner, S. S., *Machine Design; Drawing*
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Wantland, J. L., *Draw.; Heat Power*
Warner, C. F., *Heat Power*
Waters, E. O., *Mach. Des.; Mech. & Mat.*
Watson, H. D., *Heat Power*
Watson, W. K., *Mach. Des.; Thermo. & Power*
Watt, E. R., *Heat Power*
Wattson, R. K., *Aeronautics; Mach. Des.*
Weaver, A. S., *Mechanics*
Weaver, E. W., *Heat Power*
Weber, A. R., *Heat Power; Aero.*
Webster, F. N., *Power Plant*
Wehe, R. L., *Mach. Des.; Mat.*
Weibel, E. E., *Mechanics*
Weiland, W. F., *Heat Power*
Weindling, J. I., *Mfg. Proc.*
Weishampel, J. A., *Mech. & Mat.; Mach. Des.*
Weiss, J. R., *Power Plants*
Welch, H. E., *Practical Science*
Wernick, N. K., *Industrial*
Westbrock, A. J., *Heat Power*
Wetzel, I. T., *Electrical*
Wheeler, W. A., *Mach. Des.*
Whenman, J. H., *Drawing*
White, K. H., *Mfg. Proc.*
Whitfield, J. K., *Mach. Des.; Mech.*
Whitman, A. P.
Wick, R. S., *Heat Power; Aero.*
Widdop, R., *Industrial*
Wieczorek, B. A., *Mfg. Proc.; M. & M.*
Wight, C. L., Jr., *Hydr.; Mech. & Mat.*
Wilbur, L. C., *Mach. Des.; Thermo. & Power*
Wilbur, R. S., *Heat Power*
Willey, C. M., *Power Pl.*
Williams, F. L., *Heat Power; Electrical Power*
Williams, H. B., *Machine Design; Agric.*
Williams, M. O., *Aeronautical*
Williams, R. J.
Williges, J. A., *Mach. Des.; Electrical*
Willis, P. A., *General; Heat Power*
Wilson, E. R., *Machine Design; Draw.*
Wilson, G. C., *Thermo. & Power; Mech.*
Wilson, H. A., *Machine Design*
Wilson, L. A., *Heat Power; Refrigeration*
Wilson, W. A., *Thermo. & Power*
Wingren, R. M., *Mach. Des.; Mech. & Mat.*
Wischmeyer, C., *Heat Power*
Wittig, C. O. G., *Gen.; Mach. Des.*
Wittig, F. E., *H-P, Shop*
Witzell, O. W., *Heat Power*
Wohlenberg, W. J.
Wolf, R. L.
Womochel, H. L.
Wood, W. E., *Thermo. & Power; Ind.*
Woodruff, O. W., Jr., *Heat Power; Physics*
Worsham, J. E., *Heat Power; Power Pl.*
Wright, D. K., *Mech. & Mat.; Mach. Des.*
Wright, H. M., *Heat Power; Power Pls.*
Yampolsky, J.
Yappel, A. R., *Heat Power*
Yates, C. C., *Thermo. & Power; Aero.*
Young, A. P., *Mech. & Mat.*
Young, C. H., *Machine Design; Indus.*
Young, R. H., *H-P; Power Pl.*
Young, R. K., *Heat Power*
Young, R. L., *Mach. Des.; Heat Power*
Young, V. W., *Aeronautics*
Younger, J. E., *Aeronautics; Mech.*
Zarobsky, I. F., *Mach. Des.; Eng. Draw.*
Zbell S. P., *General; Draw.*
Zelios, D., *Mfg. Proc.; Met.*
Zeller, J. W.
Zerban, A. H., *Thermo. & Power; Mech.*
Zimmerman, R. H., *H-P; Power Pl.*
Zmula, P. C., *H-P, Mech. & Mat.*
Zucrow, M. J.

MECHANICS AND MATERIALS

Adams, R. G.
Aikman, J. B., *Mechanical; Heat Power*
Anderson, R. L.
Andreassen, A. T., *Civil*
Assini, L. T., *Civil*
Beane, J. A., *Drawing; Math.*
Beer, F. P., *Math.*
Berryman, L. G., *Metallurgy*
Beyer, F. R.
Black, W. E., *Civil; Mech. & Mat.*
Blackman, J. S., *Drawing; Mat.*
Blaschke, A. C., *Aero.*
Bliss, Z. R., *Economics; Machine Design*
Bohl, L. T., *Struc.; Constr.*
Boomsliter, G. P., *Materials*
Booth, A. A. K., *Civil; Economics*
Boresi, A. P., *Elec.*
Boyd, H. S.
Bragg, F. C., *Drawing*
Breneman, J. W., *Civil Eng.*
Brock, J. E., *Mathematics*
Brown, B. L., *Drawing*
Brown, F. L., *Struc.*
Brown, W. J., *Civil*
Bryans, A. E., *Surveying*
Bryans, W. R., *Gen. E.*
Buchbinder, H. G., *Tech. English*
Bullard, J. A., *Mathematics*
Burdick, G. F., *Arch.; Draw.*
Burgess, J. C., *Civil*
Cade, C. M., *Civil, surveying*
Campbell, R. W., *Heat Power; Min.*

Carey, R. H., *Civil, structural*
Cather, C. H., *Mechanical; Mach Design*
Cehrs, C. H., *Hydr.; Mech. & Mat.*
Chamberlin, S. J., *Civil*
Chenea, P. F., *Mat.*
Clark, E. C., *Structural*
Clark, L. G.
Clark, L. W., *Struc.*
Clark, W. C., *Mech. & Mat.; Civil*
Clock, L. S., *Mechanical*
Cobb, A. C., *Power Pl.*
Colbert, J. P., *Civil, structural*
Collins, W. L., *Civil, structural*
Conley, W. J., *Civil*
Conner, N. W., *Mechanical; Aeronautics*
Cook, D. I., *Drawing; Mach. Des.*
Corten, H. T.
Cory, W. L., *Industrial*
Costakos, N. C.
Coventry, N. M., *Civil*
Cox, W. J., *Civil*
Crandall, S. H., *Mathematics*
Creech, M. D., *Mach. Des.*
Cutshall, C. S., *Materials*
Crook, C. W.
Davis, A. W., *Mathematics*
De Baufre, W. L., *Mech. & Mat.; Draw.*
De Moyer, R., *Structural*
Dennis, T. M.
Deptula, A. R., *Civil*
De Spain, W. J.
Dietz, A. G. H., *Bldg. Eng.*
Dodge, R. A., *Hydraulics*
Doerr, L. O., *Mechanical, machine design*
Dohrenwend, C. O., *Civil*
Donahey, M. H., *Drawing*
Donnell, L. H., *Aeronautics*
Dougherty, J. W.
Downey, G. L., *Mechanical*
Downing, D. G., *Engineering Drawing*
Drafflin, J. O., *Civil; Sanitary*
Dudek, E. F., *Draw.*
Dudzik, C. J., *Mach. Des.*
Duff, C. M., *Civil; Mech. & Mat.*
Edgar, R. F., *Civil; Drawing*
Edson, C. G., *Hyd.; Aero.*
Elizondo, Y. J., *Thermo. & Power*
Ensign, N. E., *Mathematics*
Eriksen, E. L., *Civil; Struc.*
Evans, T. H., *Civil; structural*
Everett, F. L., *Mach. Des.; Physics*
Fairman, Seibert, *Aeronautics*
Farquharson, F. B., *Civil*
Felgar, R. P., *Mathematics*
Feltner, C. E., *Hydraulics*
Fenn, F. H., *Civil*
Findley, W. N., *Mechanical*
Flanagan, J. H., *Structural*
Flanders, R. L., *Civil*
Folk, S. B., *Civil, hydraulics*
Foner, D. N., *Civil*
Foxwell, W. H., *Mach. Des.*
Franzel, E. J., *Mechanical*
Frigon, R. A., *Mechanical*
Frocht, M. M., *Machine Des.; Math.*
Fuller, C. E.
Fuller, G. M.
Garfink, C. F.
Gatchell, O. J., *Mech.; Thermo. & Power*
Geldmacher, R. C., *Mathematics*
Germano, F. J.
Gidzinski, J. D.
Gilkey, H. J., *Civil*
Girvin, H. F., *Human-Social*
Goodler, J. N., *Mathematics*
Goodstein, R., *Math.*
Graff, W. J., Jr., *Mach. Des.*
Gralak, S. D., *Machine Design*
Green, R. E., *Civil; Struc.*
Griffis, L., *Civil*
Griswold, A. H., *Civil*
Guernsey, R., *Civil; Hydr.*
Gunder, D. F., *Mathematics; Civil*
Haddox, L. C., *Physics*
Hagerty, W. W., *Mach. Des.; Mech. & Mat.*
Halsey, J. F., *Civil, Hydr.*
Hansen, H. J.
Hanson, L. O., *Materials*
Hardenbergh, D. E., *Mathematics*
Harloff, R. E.
Harris, C. O., *Structural*
Hartenberg, R. S., *Math.; Aeronautics*
Hawkins, R. D., *General*
Heiberg, E. R., *Thermo. & Power*
Hermes, R. M., *Math.; Mech. & Mat.*
Herr, L. A., *Civil; Struct.*
Herrick, C. A., *Mechanical; Mathematics*
Herrick, T. J., *Mechanical*
Hetényi, M., *Materials*
Higdon, R. A., *Mathematics*
Hill, C. C.
Hilliker, L. C., *Aero.*
Hindle, M., *Mathematics*
Holdredge, E. C., *Heat Power; Power Pls.*
Holme, J. M., *Mathematics*
Hoover, M. L., *Mach. Des.*
Howe, J. W., *Hydraulics*
Howell, E. V., *Mathematics*
Hundley, R. E., *Mathematics*
Hunter, T. A., *Physics*
Jackson, J. W., *Mechanical*
Jacobs, R. K., *Civil*
James, R. V., *Mat.*
Janes, R. L., *Civil*
Jarvi, A. O., *Civil*
Jeffrey, J. O., *Mechanical; Met.*
Jennings, R. T., *Struc.; Hydr.*
Jensen, A., *Arch. Eng.*
Johnson, A. M.
Johnson, J. H., *Mach. Des.; Mech. & Mat.*
Jones, C. R., *Ind. E.*
Jones, P. G., *Electrical*
Jones, R. W., *Mathematics*
Jordan, W. D.
Kamm, A. J., *Civil; Drawing*
Kauppinen, T. S., *Drawing*
Keister, P. H., *Aero.*
Keller, A. D.
Kingman, E. D., *General*
Kishibay, C. O., *Physics; Mechanical*
Kleinschmidt, R. B., *Structural*
Kleint, R. E., *Materials*
Kommers, J. B., *Mechanical; Mach. Des.*
Krahula, J. L.
Kurajian, G. M.
Lansford, W. M., *Civil, hydraulics*
Laurson, P. G., *Civil, structural*
Lazan, B. J., *Mech. & Mat.*
Lee, G. H., *Mathematics*
Lester, H. M.
Liddicoat, R. T.
Lissner, H. R., *Aeronautics*
Little, N., *Mathematics*
Livingston, A. R., *Structural*
Loweke, G. P., *Civil; Hyd.*
MacCullough, G. H., *Mechanical*
Mack, D. J., *Mining*
MacKay, S., *Metallurgy*
Majeske, L. M., *Aero.*
Mallon, A. H., *Civil*
Manderfield, N. H., *Min. Dress.*
Mansky, C. B., *Mathematics; Res.*
Marco, H. F., *Civil; Survey.*
Marin, J., *Mechanical; Materials*
Marmo, E. J., *Drawing; Mech. & Mat.*
Mayrose, H. E., *Mechanical*
McCormick, F. J., *Aeronautics*
McLaurin, B., *Mechanical*
McLean, W. G., *Mathematics*
Meier, E. B., *Drawing*
Meigs, H. H., *Hydraulics; Mech. & Mat.*
Melton, J. O., *Machine Design*
Metzler, D. E., *Hydr.*
Miller, C. W., *Mach. Des.*
Miller, F. E., *Mathematics*
Miller, J. P., Jr., *Civil*
Miller, P. F., *Mathematics; Civil*
Miller, W. M., *Mechanical; Mach. Des.*

Mitchell, W. I., *Mechanical; Civil*
Moeblus, C. M., *Civil*
Morkovin, D., *Mechanical*
Morrow, H. W., *Math.; Physics*
Mowbray, A. Q., *Materials*
Muhlenbruch, C. W., *Construction*
Munger, E. L., *Materials*
Munger, H. H., *Soil Mech.; Mech. & Mat.*
Murphy, Glenn, *Civil, structural*
Murphy, W. G., *Civil*
Murray, W. M., *Mechanical*
Myklestad, N. O., *Aero.*
Neff, T. O., *Civil*
Newton, R. E., *Aeronautics*
Oberman, L. L.
Ohlsen, E. H., *Structural*
Olsen, G. A., *Machine Design*
Ormondroyd, J., *Mechanical*
Orr, W. L., *Structural*
O'Shaughnessy, L., *Applied Mechs.*
Othmer, R. T., *Math.*
Ott, P. W., *Civil, hydraulics*
Owen, W. M., *Civil; Hydr.*
Park, F. R., *Jr., Drawing; Mat.*
Paul, C. E., *General Eng.*
Paul, R. F., *Materials*
Peck, J. S., *Structural; Psychology*
Perkins, H. C., *Hydraulics*
Peterson, A. C., *Sanitary*
Pickett, G., *Physics*
Pierce, D. N., *Mach. Des.*
Pletta, D. H., *Civil; Structural*
Plumtree, W. G., *Civil*
Pohl, F. V.
Poorman, A. P., *Civil, structural*
Powell, R. W., *Civil, hydraulics*
Pratt, C. J., *Physics*
Preston, H. K., *Civil; Mech. & Mat.*
Priester, G. C., *Mathematics*
Puckett, H. R., *Mechanics; Physics*
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Rackway, J. S., *Drawing*
Randle, G. W.
Reardon, L. J.
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Roark, R. J., *Aeronautics; C. E.*
Robert, J. H., *Civil; hydraulics*
Roos, P. K., *Civil; Structural*
Rose, K. E.
Rosenthal, D., *Mechanical; Struc.*
Ruley, B. T., *Mathematics*
Rumble, C. A.
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Sauer, J. A., *Physics*
Sawyer, W. L.
Sayre, M. F., *Mechanical*
Schim, C. J.
Schmidt, H. P.
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Schoonover, R. H., *Structural; Math.*
Schrader, H. J., *Mechanical*
Scott, E. O., *Chemical*
Seely, F. B., *Mech.; Civil, hydraulics*
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Singer, F. L., *Mech.; Eng. Drawing*
Smith, F. H., *Drawing*
Smith, G. M., *Materials*
Smith, G. W., *Civil*
Smith, J. O., *Materials*
Smith, R. C., *Mechanical*
Smith, R. J., *Machine Design*
Snowden, J. R., *Civil*
Sofianopoulos, A. J.
Staley, H. R., *Civil*
Stephen, E. R., *Mechanical, mach des.*
Stephenson, O. W., *Drawing*
Stern, P.
Steyer, C. C.
Stiles, W. B., *Mathematics*
Stitz, E. O., *Machine Design*
Stolper, E. F., *Structural*
Sturm, R. G., *Gen.; Materials*
Szebehely, V. G., *Math.*
Tauxe, G. J., *Civil; Mech. & Mat.*
Taylor, A. D., *Civil; Structural*
Taylor, D. C., *For. Lang.; Mech. & Mat.*
Thomas, Evan, *Mathematics*
Thompson, E. D., *Hydr.*
Throop, J. F., *Civil*
Timoshenko, S. P., *Structural*
Topping, A. D., *Structural*
Trathen, R. H., *Structural*
Tucker, LeRoy, *Geology*
Underwood, R. H., *Mathematics*
Uniechowski, S. R., *Naval Arch.*
Ustrud, H. O., *Structural*
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Vennard, J. K., *Fluid Mech.*
Vierck, R. K., *Mechanical*
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Walters, H. R., *Draw.; Mech. & Mat.*
Waner, N. S., *Mach. Des.; Mech. & Mat.*
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Washa, G. W., *Materials*
Weaver, G. W.
Wendt, K. F., *Civil*
Wherry, J. E., *Struc.*
Whetstone, G. A., *Civil*
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Willoughby, V. E.
Wiseman, E. R., *Civil*
Wood, E. H.
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MINERAL TECHNOLOGY

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Bolotsky, Max, *Metallurgy*
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Bottomley, J. A., *Mining*
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Brick, R. M., *Metallurgy*
Brune, A. W., *Civil*
Bucky, P. B., *Mining; Physics*
Butts, Allison, *Metallurgy*
Calhoun, J. C., *Pet.; Chemical*
Callen, A. C., *Mining*
Carmichael, R. L., *Mining*
Childs, W. J., *Metallurgy*
Chipman, J., *Metallurgy; Chem.*
Clark, G. B., *Mining; Math.*
Cockrell, W. L., *Metallurgy; Chemical*
Coonan, F. L., *Metallurgy; Chemistry*
Cooper, B. N., *Geophysics*
Corrigan, G. L., *Pet. & Nat. Gas*
Cothern, L. I., *Mining*
Cover, G. M., *Metallurgy*
Crews, D. L., *Met.*
Culbertson, W. W., *Metallurgy*
Cunningham, J. B., *Mining; Metallurgy*
Daly, J. J., *Mining*
Daniels, Joseph, *Mining; Metallurgy*
Davidson, H. O., *Mining*
Davis, C. M., *Chem. E.*
Doan, G. E., *Metallurgy*
Dodson, C. R., *Pet. & Nat. Gas*
Doll, A. W., *Mech. & Mat.*
Dowdell, R. L., *Metallurgy*
Drier, R. W., *Metallurgy; Physics*
Ducker, W. L., *Mach. Des.; Pet.*
Duncan, D. S., *Mathematics*
Duran, S. A.
Eckfeldt, Howard, *Mining; Min. Dressing*

Eddy, C. T., *Metallurgy*
Eisenberg, R. F., *Met.; Mech. & Mat.*
Eppelsheimer, D. S., *Met.; Physics*
Fitterer, G. R., *Metallurgy*
Flanigan, A. E., *Mech. & Mat.; Met.*
Fontana, M. G., *Metallurgy; Mat.*
Forrester, J. D., *Mining*
Forsyth, A. C., *Met.; Mech. & Met.*
Frank, A. J., *Geophysics; Min.*
Frush, C. O., *Mining*
Gallagher, R. T., *Mining*
Gaudin, A. M., *Mineral Dressing*
Geissler, H. H., *Pet.; Chem.*
Gerhard, G. R., *Mech. & Mat.*
Gleekman, L. W., *Chemical Eng.*
Gonzales, O., *Metallurgy*
Good, A. C., *Metallurgy; Mfg. Proc.*
Greaves-Walker, A. F., *Ceramics*
Grosvenor, A. W., *Metallurgy*
Grunenfelder, J. G.
Gudebski, H. C., *Metallurgy*
Guenther, D. V.
Guthrie, A. N.
Haga, L. J., *Chemical*
Harder, O. E., *Chem.; Metal.*
Heine, R. W., *Metal.*
Hellig, L. S., *Mining*
Heinrich, R. R., *Geol.; Hydr.*
Hess, W. F., *Met.; Elec. E.*
Hibbard, W. R., *Metallurgy; Chem.*
Hilbrick, A. P., *Pet. & Nat. Gas*
Hoffman, P. O.
Holland, C. T., *Min.*
Jacobs, R. K.
Jerabek, H. S., *Metallography*
Jones, V. L., *Geophysics*
Kahles, J. F., *Metallurgy*
Keyser, C. A., *Mat.; Met.*
Kirkpatrick, C. V., *Pet.*
Klein, F., *Geophysics*
Koth, A. W., *Metallurgy*
Kyle, P. E., *Metallurgy*
Lambe, E. P., *Power*
Lambert, E. M., *Mining; Civil*
Latvala, W. J., *Mining*
Lazan, B. J., *Metallurgy; Mech. & Mat.*
LeCain, G. H., *Machine Design*
Le Maire, G. W., *Pet. & Nat. Gas*
Lewis, J. F., *Mining; Pet. & Nat. Gas*
Lewis, J. R., *Metallurgy*
Lewis, R. S., *Mining; Mineral Dressing*
Lissner, H. R., *Aeronautics*
Lord, J. O., *Metallurgy*
Ludewig, J. W., *Metallurgy*
MacIntosh, A. N., *Aeronautics; Geol.*
Mack, D. J., *Metallurgy*
Mackay, Scott, *Metallurgy*
Maddin, R.
Manderfield, N. H., *Metal.; Chemical*
Masson, D. L., *Mining*
Mathewson, C. H., *Chemistry; Mat.*
Maufette, P., *Mining, Geology*
McCauley, R. B., *Metallurgy*
McCormack, J. T., *Met.; Min. Dress.*
McDuffie, R. O., *Met.*
McGlashan, D. W., *Min. Dress.*
McGrady, D. D., *Metallurgy; Chem.*
Mehl, R. F., *Metallurgy*
Miller, E. L., *Mining; Geol.*
Milligan, W. E., *Metallurgy; Chemistry*
Mooney, C. V., *Pet. & Nat. Gas*
Morgan, R. E., *Geol.; Survey.*
Morral, F. R., *Met.*
Nelson, W. L., *Pet. & Nat. Gas*
Nold, H. E., *Mining*
Ockerblad, A. M., *Surveying*
Peretti, E. A. J., *Metallurgy*
Phelps, R. T., *Chem.; Physics*
Phillips, Arthur, *Metallurgy; Chemistry*
Pifer, D. A.
Plank, W. B., *Mining; Metallurgy*
Power, H. H., *Pet. & Nat. Gas; Chemical*
Quier, K. E., *Heat Power; Power Plants*
Raudebaugh, R. J., *Metallurgy*
Rice, W. H., *Metallurgy; Shop*
Riddell, J. M., *Mining; General*
Roberts, J. P., *Metal.*
Robertson, F., *Geophysics*
Robertson, W. D.
Rose, K. E., *Metallurgy; Mech.*
Rosenholtz, J. L., *Geol.*
Rosenthal, P. C., *Min. & Met.*
Rundle, W. J., *Min. Dress.*
Schlechten, A. W., *Metallurgy*
Schneidewind, R., *Metallurgy*
Schramm, E. F., *Gas & Geology; Min.*
Schuhmann, R., *Met., Min. Dress.*
Serviss, F. LeV., *Geology, Met.*
Shaffer, L. E., *Mining*
Shaffer, R. E., *Metallurgy*
Sherman, G. W., *Metallurgy*
Shorey, E. R., *Min. Dress.*
Shorts, W. E., *Metallurgy*
Shotts, R. Q., *Fuels; Thermo. & Power*
Sidwell, C. V.
Signer, M. I., *Mining*
Smith, A. J., *Metallurgy*
Smith, D. T., *Civil; Geol.*
Smyth, W. I.
Snelgrove, A. K., *Mining & Geology*
Spielman, J. P., *Metallurgy*
Starkweather, E. R.
Stewart, J. W., *Mining*
Stuckey, J. L., *Geology*
Sweet, R. L., *Met.; Chem.*
Swift, R. E., *Metallurgy; Mining*
Tolonen, F. J., *Metallurgy*
Truckenmiller, W. C., *Metallurgy*
Tullis, E. L., *Geology; Physics*
Upthegrove, C., *Metallurgy*
Uren, L. C., *Petroleum; Econ.*
Vance, Harold, *Pet. and Natural Gas*
Van Duzee, G. R., *Met.; Mech. & Mat.*
van Note, W. G., *Met.; Min.*
Vine, W. A., *Mining; Economics*
Sherman, G. W., *Metallurgy*
Wagner, H. A., *Mining; Metallurgy*
Wagner, H. A., *Metallurgy; Min. Dress.*
Wallace, W. P., *Metallurgy*
Westermann, F. E., *Metallurgy*
White, H. V., *Metallurgy*
Wichmann, A. P., *Metallurgy; Mineral*
Williams, R. S., *Metallurgy*
Wright, E. C.
Wyant, R. A., *Metallurgy*
Young, L. E., *Mining*
Yuster, S. T., *Pet.; Chem.*
Zmeskal, O., *Metallurgy; Chemistry*

NAVAL ARCHITECTURE

Adams, H. C.
Curran, T. M., *Thermo. & Power*
Kirk, E. R., *Thermo. & Power*
O'Connor, G. R., *Mechanical; Power Pl.*
Schock, E. I., *Mach. Des.; Mfg. Proc.*
Sherman, W. R., *Cdr.; USNR*

PHYSICS

Adams, C. L., *Mathematics*
Albright, J. G., *Surveying*
Albright, P. S., *Aeronautics*
Alexander, L. M.
Applegate, C. E., *Electrical*
Avil, R. D., *Electrical*
Baker, W. M.
Balinkin, I., *Ceramics*
Ballard, S. S., *Industrial*
Banick, W. G., *Mathematics*
Banks, C. W., *Civil; Mech. & Mat.*
Bauer, R. E.
Bennett, C. E., *Mathematics*
Bennett, D. M., *Mathematics*
Benson, H. W., *Electrical*
Berning, C. F.

Bertsch, C. V., *Mathematics*
Bessey, W. H.
Birge, R. T.
Bortell, E. E., *Electrical*
Branson, H. R., *Math.*
Brewington, G. P., *Mathematics*
Brown, E. J., *Mathematics*
Brown, F. L., *Mathematics*
Broxon, J. W., *Mathematics*
Buchbinder, M. M., *Electronics*
Buchta, J. W.
Byck, L. C., Jr., *Chem. Engrg.*
Carragan, G. H.
Chimino, D. F.
Cobine, J. D., *Electronics*
Colvert, W. W., *Mathematics*
Coolidge, J. A., *Mathematics*
Copeland, P. L., *Mathematics*
Counts, G. A.
Cowell, S. E.
Dick, E. G., *Mathematics*
Doll, A. W., *Mechanics*
Dowdell, R. L., *Metallography*
Driscoll, W. G., *Mathematics*
Dubosky, S. W., *Mathematics*
Duncan, D. C., *Mathematics*
Duncan, D. S., *Mathematics*
Dwight, C. H., *Arch. E.*
Dyer, W. E., *Mathematics*
Earl, E. P.
Eatherton, L. J.
Emery, D. L., *Chemical*
Ewalt, W. P.
Fisher, J., *Mathematics*
Flake, G.
Fleckenstein, E. L.
Foster, E. S., *Pet. Tech.*
Froula, H. C., Jr., *General*
Fry, H. M., *Electronics*
Fuller, H. Q., *Math.*
Gager, F. M., *Electrical; General*
George, V. C., *Mathematics*
Gibbs, R. C., *Mathematics*
Gillette, E. C., Jr., *Electrical; Chem.*
Goliber, P. F.
Grantham, G. E.
Greenbaum, B. A., *Electronics*
Guthrie, A. N., *Pers.*
Gwinn, I. J., *Engineering Drawing*
Hall, V. B., *Mechanics*
Halsey, Hugh, *Math.*
Hammond, T. M., *Mathematics*
Harlow, J. G., *Education*
Harty, J. H.
Hausman, E. L., *Aeronautics*
Hawkes, J. B.
Hazeltine, L. A., *Mechanical*
Hedenberg, N. A., *Aeronautics*
Heflin, S. M., *Mech.*
Heil, L. M., *General*
Heinrich, R. R.
Heller, R., *Mathematics*
Henderson, R. B.
Herreman, H. M., *Technical Institute*
Hertel, K. L., *Mathematics*
Hett, J. H., *Mathematics*
Hilton, W. A., *Civil; Surv.*
Hoffman, P. O., *Mechanics*
Houston, W. V., *Edu. Adm.*
Howey, J. H.
Hume, W., *Civil*
Jackson, K. B., *Surveying*
Janke, R. A., *Electrical*
Johnson, A. M., *Math.*
Johnson, H. J.
Johnson, L. V.
Johnston, P. K.
Jones, H. W.
Jones, M. W., *Civil*
Kenyon, C. D.
Kirkpatrick, E. L., *Radio Design*
Knight, N. H.
Kock, P. O.
Kovarik, A. F., *Mathematics*
Lake, R. E., *Electrical*
Lambe, E. P., *Electrical, power*
Lancaster, F. W., *Chemistry; Math.*
Lark-Horovitz, K.
Larsen, K. D., *Hydrodynamics*
Leifson, S. W.
Loebs, W. F.
Long, E. L.
Longacre, W. A., *Mechanics*
Lowe, C. B., *Math.*
Loyd, C. M., *Gen.; Physics*
Lynn, J. T.
MacDonnell, R. B., *Mechanics*
MacIntosh, A. N., *Min.*
Mainardi, M. N., *Mech. & Mat.*
Mallory, F.
Marsh, R. W., *Tech. Inst.*
Martin, D. W.
Mayer, K. L., *Mathematics*
McClure, O. E., *Power*
McDonald, K. M.
McIntire, S. H., *Mech.*
Meares, J. S.
Merritt, H. W., *Mechanics and Materials*
Michener, W. H.
Miller, E. F.
Mingins, C. R., *Math.; Elec.*
Moore, K. H., *General Engrg.*
Morgan, H. E.
Morrow, E. A., *Draw.*
Mullen, C. F., *Mathematics; Science*
Myers, F. E., *Ballistics*
Nielsen, P. E., *Mechanics*
Nurnberger, P. A., *Mechanical*
O'Brien, P. F., *Electrical*
Oliphint, J. B., Jr., *Mach. Des.*
Orens, I. P., *Edu. Adm.*
Owens, W. J.
Parke, E. C., Jr., *Electrical*
Parker, W. A., *Mathematics*
Pereira, D. A., *Electrical; Tech. Inst.*
Peterson, W. E., *Drawing*
Pietenpol, W. B., *Mathematics*
Piper, F. F., *Electrical*
Pomeroy, G. A., *Electrical*
Porter, R. A., *Mathematics*
Potter, J. G.
Powers, P. N., *Atomic Energy*
Pratt, C. J., *Mech. & Mat.*
Price, R. M.
Prosser, E. T.
Pugh, E. M., *Electrical*
Ramberg, E. G. F., *Hydr.*
Ravenscroft, H. A.
Richardson, D. E., *Communications*
Robert, R. A., *Mathematics*
Robertson, F., *Geophysics*
Ryerson, J. L.
Sagen, G. O., *Mathematics*
Sagurton, J. R., *Mathematics*
St. Peter, W. N.
Schade, G. E., *Electrical*
Scott, J. E., *Elec. & Comm.*
Sears, F. W.
Sears, J. F., *Electronics & Comm.*
Seeger, R. J.
Selvidge, H., *Electronics*
Sermon, T. C.
Service, J. H., *Surveying*
Seward, R. S., *Gen. E.*
Sheldon, H. H., *Electronics*
Shurrager, P. S., *Industrial*
Silkett, A. F., *Psychology*
Silvey, O. W., *Mathematics*
Slack, E. P., *Electronics*
Slack, F. G.
Smith, E. G.
Smith, H. H., *Mathematics*
Spinney, L. B., *Electrical*
Stephenson, S. T.
Stewart, G. W.
Stockland, L., *Chemistry*
Thomas, C. D., *General*
Thompson, J. S.

Toole, C. E.
Turin, J. J.
Turner, L. A., *Head*
Twogood, A. J., *Math.*
Valle, R. B.
Van Vliet, J. L.
Wasson, H. P.
Watson, E. C.
Weber, L. R.
Webster, J. C., *Heat Power*
Weinberg, E. B., *Mathematics*
Weller, M. R., *Personnel*
Werts, C.
Whitaker, M. D.
White, M. W.
Willard, W. W., *Chemistry*
Williamson, R. C., *Math.*
Willis, H. W.
Wood, C. H., *Chemistry*
Woods, F. P.
Woodward, L. A., *Electrical*
Yadoff, O., *Elec.*

PSYCHOLOGY

Carter, C. L., *Physics*
Davis, H. L., *Pers. Rel.*
Gilmer, B. V. H., *Human-Social*
Hanson, A. E., *Ind. Ed.*
Hicks, W. N., *Ethics & Religion*
Johnson, A. P., *Personnel & Indus. Rel.*
Kopas, J. S., *Electrical, communication*
Krathwohl, W. C., *Mathematics*
Moore, J. E.
Moore, R. E., *Human-Social*
Mount, G. E., *Ind. Eng.*
Palmerton, L. R.
Porter, J. M., *Meas. Guidance*
Price, M. D., *Human-Social*
Schaefer, V. G.
Shurrager, P. S., *Education*
Swartz, B. K., *Economics*
Woolford, M. K., *Test. Guid.*

SANITARY ENGINEERING

Babbitt, H. E., *Chemistry; Civil*
Bonney, C. H., *Civil*
Boyce, E., *Civil*
Bremer, R.
Brown, E. S., *Civil, surveying*
Cheek, F. H., *Hydraulics*
Cornell, R. M., *Hydraulics*
Cummings, R. H., *Civil*
Dietz, J. C., *Civil*
Drinker, P., *Chemical*
Dunstan, G. H., *Hydraulics*
Eliassen, R., *Civil*
Fleming, J. R.
Frost, D. C., *Civil*
Funk, F. F., *Civil*
Gifft, H. M., *Hydraulics; Civil*
Gloyna, E. E., *Civil*
Gotaas, H. B., *Civil, hydraulics*
Guldeman, E. J., *Civil Hydr.*
Hinman, J. J., *Col. Res.; Civil*
Howland, W. E., *Civil, hydraulics*
Hutchins, R. E.
Hyde, C. G., *Civil*
Ingram, W. T., *Industrial; Civil*
Jacobson, G. L., *Civil*
Jones, D. K., *Hydraulics*
Kessler, L. H., *Hydraulics*
Kilcawley, E. J., *Soil Mech.*
Larson, F. C., *Civil*
Lendall, H. N., *Hydraulics*
Marthinsen, J., *Civil; Hydraulics*
McGaughey, P. H., *Civil*
McKee, J. E., *Civil*
McLean, D. H., *Structural*
Meier, E. B., *Civil*
Merryfield, F., *Civil; Hydr.*
Miles, H. J., *Civil, hydraulics*
Morgan, P. F., *Civil*
Murphy, L. J., *Civil*
Nichols, M. S., *Chemistry; Civil*
Otts, L. E., Jr., *Civil*
Pettis, C. R., *Water Supply*
Pierce, G. O.
Reid, G. W., *Civil*
Rives, J. A., *Struc., Constr.*
Rohlich, G. A., *Hydraulics*
Ryckman, S. J., *Civil; Hydr.*
Schlenk, W. F., *Civil*
Schroepfer, G. J., *Economics*
Scott, J. E., *Shop*
Sellner, E. P., *Construction*
Silverman, L., *Ind. Hyg.*
Snow, W. B., *Civil*
Stapley, E. R., *Civil, hydraulics*
Suttie, R. H., *Civil, hydraulics*
Tyler, R. G.
Waterman, E. L., *Civil*
Widmer, W. J., *Civil*
Wilke, H. R.
Wolman, Abel, *Hydraulics*

SHOP AND MECHANIC ARTS

Adams, H. P.
Anderson, R. D.
Armstrong, W. H., *Industrial*
Austin, A. A.
Bailey, A. P., *Mat.*
Beatty, H. R., *General; Industrial*
Benedict, Otis, *Mfg. Proc.*
Bigelow, R. G., *Industrial*
Bradley, F. R.
Brickler, A. J.
Carlson, W. W., *Mechanical*
Carr, F. J.
Chase, H. W.
Cheek, F. J., *Civil*
Cope, R. L., *Ind. E.*
Coulam, J., *Bldg. Constr.*
Fanning, C. L.
Hatcher, L. W.
Heming, L. J.
Henry, G. F., *Industrial*
Horton, E. M., *Electrical*
Hoy, H. H., *Mechanical*
Hunt, De Witt, *Safety*
Johnson, C. G., *Metallurgy*
Jones, C. B., *Metal.*
Kahlert, C. G.
Kiely, T. M., *Ind. E.; Mfg. Proc.*
Kob, H. H., *Drawing; Industrial*
Lindley, R. W., *Gen.*
Mackin, F. L.
Nesbitt, R. E., *Mechanical*
Portella, M. M.
Rix, C. N., *Mechanical*
Robley, A. A., *Ind. Eng.*
Roney, M. W., *General*
Rowland, M. R., *Mechanical; Eng. Draw.*
Schlegel, E. J.
Sellers, G. A., *Industrial*
Soderstrom, E. D.
Starr, C. J., *Mechanical, mfg. processes*
Timmons, G. G.
Tollinger, C., *Mechanical*
Tonkin, J. C., *Mechanical, mfg. processes*
Watson, V. C., *Tool*
Welch, H. E., *Drawing*
Wittig, F. E., *Heat Power*
Zelios, D., *Industrial*

TECHNICAL INSTITUTE

Bensman, C. H., *Elec.*
Borkert, J. J., *Mech.; Draft.*
Graney, M. R., *Draw.*
Heath, E. B., *Power*
Neilly, V. E., *Elec.*
Ostertag, C. W., *Ind.*
Schmitz, F. W., *Chemistry*

TOTAL MEMBERS, PAST AND PRESENT

		INDIVIDUAL	INSTITUTIONAL
Aug.	20, 1894	156	
Sept.	2, 1895	184	
Aug.	20, 1896	200 (about)	
Aug.	16, 1897	203	
Aug.	18, 1898	226	
Aug.	17, 1899	238	
July	2, 1900	249	
June	29, 1901	261	
June	27, 1902	253	
July	1, 1903	271	
Sept.	1, 1904	325	
June	28, 1905	379	
July	2, 1906	400	
July	1, 1907	415	
June	27, 1908	675	
June	24, 1909	759	
June	23, 1910	848	
June	27, 1911	1,071	
June,	1912	1,102	
June,	1913	1,158	
March,	1914	1,339	45
July	1, 1915	1,452	47
March,	1916	1,504	55
March,	1917	1,505	58
March,	1918	1,506	66
April,	1920	1,511	70
April,	1922	1,589	86
March,	1923	1,694	88
March,	1926	1,988	120
June,	1927	1,995	120
May,	1928	2,025	117
Nov.,	1929	2,169	117
Nov.	1, 1930	2,192	118
Nov.	30, 1931	2,274	120
Nov.	8, 1932	2,227	121
Jan.	27, 1934	2,271	121
Jan.	1, 1935	2,453	120
Feb.	1, 1937	2,490	120
Feb.	10, 1938	2,901	136
Feb.,	1939	2,929	141
Feb.,	1940	3,086	147
Feb.,	1941	3,220	153
Feb.,	1942	3,269	157
Feb.,	1943	3,426	154
Feb.,	1944	3,855	160
Feb.,	1945	3,787	161
Feb.,	1946	3,946	165
Feb.,	1947	4,463	168
Feb.,	1948	5,175	168
Feb.,	1949	5,697	169
Feb.,	1950	6,517	175
Feb.,	1951	7,401	176

Individual Members	7,225
Institutional Members	176
Total Membership	7,401

MEETINGS OF THE SOCIETY

Date	*Location*	*President of the Society*
1893, July 30–Aug. 5	Chicago, Ill.*	I. O. Baker, Univ. of Ill. (Chairman, Section E.)
1894, Aug. 20–21	Brooklyn Polytechnic Institute, Brooklyn, N. Y.	DeVolson Wood, Stevens Inst. of Technology.
1895, Sept. 2–4	Springfield, Mass.	G. F. Swain, Massachusetts Inst. of Technology.
1896, Aug. 20–22	Buffalo, N. Y.	Mansfield Merriman, Lehigh Univ.
1897, Aug. 16–18	University of Toronto, Toronto, Ontario.	H. T. Eddy, Univ. of Minn.
1898, Aug. 18–20	Boston, Mass.	J. B. Johnson, Wash. Univ., Missouri.
1899, Aug. 17–19	The Ohio State University, Columbus, O.	T. C. Mendenhall, Worcester Polytechnic Inst.
1900, July 2–3	Columbia University, New York City.	I. O. Baker, Univ. of Ill.
1901, June 29–July 2	Buffalo, N. Y.	F. O. Marvin, Univ. of Kans.
1902, June 27–28	Pittsburgh, Pa.	Robert Fletcher, Dartmouth College.
1903, July 1–3	Niagara Falls, N. Y.	C. M. Woodward, Wash. Univ., St. Louis.
1904, Sept. 1–3	St. Louis, Mo.	C. F. Allen, Mass. Inst. of Technology.
1905, June 28–29	Atlantic City, N. J.	F. W. McNair, Mich. Coll. of Mines.
1906, July 2–3	Cornell University, Ithaca, N. Y.	C. L. Crandall, Cornell Univ.
1907, July 1–3	Case School of Applied Science, Cleveland, O.	D. C. Jackson, M. I. T.
1908, June 24–27	Detroit, Mich.	Chas. S. Howe, Case School of Applied Science.
1909, June 24–26	Columbia University, New York City.	F. E. Turneaure, Univ. of Wis.
1910, June 23–25	University of Wisconsin, Madison, Wis.	H. S. Munroe, Columbia Univ.
1911, June 27–29	Carnegie Institute of Technology and the University of Pittsburgh, Pittsburgh, Pa.	A. N. Talbot, Univ. of Ill.
1912, June 26–29	M. I. T., Harvard and Wentworth, Boston, Mass.	W. G. Raymond, Univ. of Iowa.
1913, June 24–26	University of Minnesota, Minneapolis, Minn.	W. T. Magruder, Ohio State Univ.
1914, June 23–26	Princeton University, Princeton, N. J.	G. C. Anthony, Tufts College, Mass.
1915, June 22–25	Iowa State College, Ames, Ia.	Anson Marston, Iowa State College.
1916, June 19–22	University of Virginia, University, Va.	H. S. Jacoby, Cornell Univ.
1917, July 6–7	Washington, D. C.	G. R. Chatburn, Univ. of Neb.
1918, June 26–29	Northwestern University, Evanston, Ill.	M. S. Ketchum, Univ. of Colo.
1918, December 6–7 †	Cambridge, Mass.	J. F. Hayford, Northwestern University.
1919, June 25–28	Johns Hopkins University, Baltimore, Md.	J. F. Hayford, Northwestern University.
1920, June 29–July 2	University of Michigan, Ann Arbor, Mich.	A. M. Greene, Jr., Rensselaer Polytechnic Inst.
1921, June 28–July 1	Yale University, New Haven, Conn.	M. E. Cooley, Univ. of Mich.
1922, June 20–23	University of Illinois, Urbana, Ill.	C. F. Scott, Sheffield Sci. School of Yale Univ.
1923, June 20–23	Cornell University, Ithaca, N. Y.	C. F. Scott, Sheffield Sci. School of Yale Univ.
1924, June 25–28	University of Colorado, Boulder, Colo.	P. F. Walker, Univ. of Kans.

* Meeting of Section E, Engineering Education, of the World's Engineering Congress, at which the S. P. E. E. was organized.

† Joint Meeting with the British Educational Mission to the United States. The meeting was called at the request of the Committee on International Relations of the American Council on Education.

1925, June 16–20	Union College, Schenectady, N. Y.	A. A. Potter, Purdue Univ.
1926, June 16–18	State University of Iowa, Iowa City, Ia.	G. B. Pegram, Columbia Univ.
1927, June 27–30	University of Maine, Orono, Maine.	O. M. Leland, Univ. of Minn.
1928, June 26–29	University of North Carolina, Chapel Hill, N. C.	R. L. Sackett, Penna. State College.
1929, June 19–21	The Ohio State University, Columbus, Ohio.	Dexter S. Kimball, Cornell University.
1930, June 26–28	Ecole Polytechnique, McGill University, Montreal, Canada.	R. I. Rees, American T. & T. Co.
1931, June 17–19	Purdue University, Lafayette, Ind.	H. S. Boardman, University of Maine.
1932, June 29, 30–July 1	Oregon State College, Corvallis, Ore.	H. S. Evans, University of Colorado.
1933, June 27–30	Stevens Hotel, Chicago, Ill.	R. A. Seaton, Kansas State College.
1934, June 19–23	Cornell University, Ithaca, N. Y.	W. E. Wickenden, Case School of Applied Science.
1935, June 24–27	Georgia School of Technology, Atlanta, Ga.	C. C. Williams, State University of Iowa.
1936, June 23–26	University of Wisconsin, Madison, Wis.	D. S. Anderson, Tulane University.
1937, June 28–July 2	Massachusetts Institute of Technology and Harvard University, Cambridge, Mass.	H. P. Hammond, Polytechnic Institute of Brooklyn.
1938, June 27–30	A. & M. College of Texas, College Station, Texas.	S. B. Earle, Clemson College.
1939, June 19–23	Pennsylvania State College, State College, Pa.	K. T. Compton, Mass. Inst. of Tech.
1940, June 24–28	University of California, Berkeley, Calif.	O. J. Ferguson, University of Nebraska.
1941, June 27–30	University of Michigan, Ann Arbor, Mich.	D. B. Prentice, Rose Polytechnic Institute.
1942, June 29–July 2	New York City.	A. H. White, University of Michigan.
1943, June 18–20	Illinois Institute of Technology, Chicago, and Northwestern University, Evanston, Ill.	H. T. Heald, Illinois Institute of Technology.
1944, June 25–28	University of Cincinnati, Cincinnati, Ohio.	Robert E. Doherty, Carnegie Institute of Technology.
*1945, June 21–24	Washington University, St. Louis, Mo.	H. S. Rogers, Polytechnic Institute of Brooklyn.
1946, June 20–23	Washington University, St. Louis, Mo.	H. S. Rogers, Polytechnic Institute of Brooklyn.
1947, June 18–21	University of Minnesota, Minneapolis, Minn.	Huber O. Croft, University of Iowa.
1948, June 14–18	University of Texas, Austin, Texas.	C. E. MacQuigg, Ohio State University.
1949, June 20–24	Rensselaer Polytechnic Institute, Troy, N. Y.	C. J. Freund, University of Detroit.
1950, June 19–23	University of Washington, Seattle, Wash.	Thorndike Saville, New York University.
1951, June 25–29	Michigan State College, East Lansing, Michigan	F. M. Dawson, State University of Iowa.

* Cancelled at request of War Committee on Conventions, Office of Defense Transportation.

SUMMER SCHOOLS FOR ENGINEERING TEACHERS

1927—Engineering Mechanics, Cornell University.
1927—Engineering Mechanics, University of Wisconsin.
1928—Electrical Engineering, University of Pittsburgh, and Westinghouse E. & M. Company.
1928—Physics, Massachusetts Institute of Technology.
1929—Mechanical Engineering, Purdue University.
1930—Civil Engineering, Yale University.
1930—Engineering Drawing and Descriptive Geometry, Carnegie Institute of Technology.
1931—Chemical Engineering, University of Michigan.
1931—Mathematics, University of Minnesota.
1932—Economics, Stevens Institute of Technology.
1932—English, The Ohio State University.
1933—Mining and Metallurgy, University of Wisconsin.
1933—Conference of Administrative Officers, University of Wisconsin.
1939—Chemical Engineering, The Pennsylvania State College.
1941—Mechanical Engineering, Purdue University.
*1945—Engineering Drawing.
1946—Engineering Drawing, Washington University.
1947—Mechanical Engineering, Northwestern University.
1948—Chemical Engineering, University of Wisconsin.
1949—Mechanical Engineering, Rensselaer Polytechnic Institute.
1950—Mechanics, Iowa State College.
Humanistic-Social, University of Washington.
North Midwest Section, University of Minnesota.
Civil Engineering (Photogrammetry), University of Denver.

* Cancelled at request of War Committee on Conventions, Office of Defense Transportation.

PAST OFFICERS

PRESIDENTS

DE VOLSON WOOD,* 1893–4,
GEORGE F. SWAIN,* 1894–5,
M. MERRIMAN,* 1895–6,
HENRY T. EDDY,* 1896–7,
JOHN B. JOHNSON,* 1897–8,
T. C. MENDENHALL,* 1898–9,
IRA O. BAKER,* 1899–1900,
FRANK O. MARVIN,* 1900–1,
ROBERT FLETCHER,* 1901–2,
CALVIN M. WOODWARD,* 1902–3,
C. FRANK ALLEN,* 1903–4,
FRED W. McNAIR,* 1904–5,
CHARLES L. CRANDALL,* 1905–6,
DUGALD C. JACKSON, 1906–7,
CHARLES S. HOWE,* 1907–8,
FRED. E. TURNEAURE, 1908–9,
HENRY S. MUNROE,* 1909–10,
ARTHUR N. TALBOT,* 1910–11,
WM. G. RAYMOND,* 1911–12,
WM. T. MAGRUDER,* 1912–13,
G. C. ANTHONY,* 1913–14,
ANSON MARSTOM, 1914–15,
HENRY S. JACOBY, 1915–16,
GEORGE R. CHATBURN,* 1916–17,
MILO S. KETCHUM,* 1917–18,
JOHN F. HAYFORD,* 1918–19,
A. M. GREENE, JR., 1919–20,
MORTIMER E. COOLEY,* 1920–21,
C. F. SCOTT,* 1921–22, 1922–23,
P. F. WALKER,* 1923–24,
A. A. POTTER, 1924–25,
G. B. PEGRAM, 1925–26,
O. M. LELAND, 1926–27,
R. L. SACKETT,* 1927–28,
D. S. KIMBALL, 1928–29,
R. I. REES,* 1929–30,
H. S. BOARDMAN, 1930–31,
H. S. EVANS, 1931–32,
R. A. SEATON, 1932–33,
W. E. WICKENDEN,* 1933–34,
C. C. WILLIAMS,* 1934–35,
D. S. ANDERSON, 1935–36,
H. P. HAMMOND, 1936–37,
S. B. EARLE, 1937–38,
K. T. COMPTON, 1938–39,
O. J. FERGUSON, 1939–40,
D. B. PRENTICE, 1940–41,
A. H. WHITE, 1941–1942,
H. T. HEALD, 1942–43,
ROBERT E. DOHERTY,* 1943–44,
HARRY S. ROGERS, 1944–45, 1945–46,
H. O. CROFT, 1946–47,
C. E. MacQUIGG, 1947–48,
C. J. FREUND, 1948–49,
THORNDIKE SAVILLE, 1949–50.

VICE-PRESIDENTS (since 1930)

E. A. HITCHCOCK,* ED. BENNETT, 1929–30,
C. FRANCIS HARDING,* R. A. SEATON, 1930–31,
D. S. ANDERSON, H. H. JORDAN, 1931–32,
PAUL CLOKE, H. S. ROGERS, 1932–33,
F. V. LARKIN, B. M. BRIGMAN,* 1933–34,
H. P. HAMMOND, GEO. C. SHAAD,* 1934–35,
P. H. DAGGETT, S. B. EARLE, 1935–36,
IVAN C. CRAWFORD, SADA A. HARBARGER,* 1936–37,
K. T. COMPTON, F. C. BOLTON, 1937–38,
G. W. CASE, M. L. ENGER, 1938–39,
R. W. SORENSEN, D. B. PRENTICE, 1939–40,
E. L. MORELAND, L. E. CONRAD, 1940–41,
H. T. HEALD, F. L. EIDMANN,* 1941–42,
C. E. MacQUIGG, B. M. WOODS, 1942–43,
A. R. CULLIMORE, H. J. GILKEY, 1943–44,
N. W. DOUGHERTY, H. M. CROTHERS, 1944–45, 1945–46,
J. R. KILLIAN, E. B. NORRIS, 1946–47,
C. J. FREUND, 1946–1948, THORNDIKE SAVILLE, 1948–49,
S. S. STEINBERG, 1947–49, B. J. ROBERTSON, 1947–50,
F. M. DAWSON, 1946–50.

* Deceased.

TREASURERS

W. O. WILEY, 1907–42,

JAMES S. THOMPSON, 1942–50.

SECRETARIES

F. L. BISHOP,* 1914–47,

A. B. BRONWELL, 1947–.

ASSISTANT SECRETARY

NELL McKENRY, 1918–48,
DOROTHY DAUM, 1949–50.

For futher information on past officers, refer to the February 1947 issue of the Journal of Engineering Education.

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* Deceased.

SINCE 1941

ELECTIVE MEMBERS OF PREVIOUS COUNCILS

Terms of Office Expired in 1941

H. H. Armsby,
H. T. Heald,
Louis Mitchell,
C. A. Mockmore,
R. B. Wiley.
W. B. Plank,
J. S. Thompson,

Terms of Office Expired in 1942

K. H. Condit,
R. C. Ernst,
V. M. Faires,
H. A. Fisher,
B. M. Woods.
C. L. Kinsloe,
L. G. Straub,

Terms of Office Expired in 1943

W. O. Birk,
H. E. Degler,
A. R. Cullimore,
C. S. Ell,
G. T. Seabury.*
H. A. Curtis,
D. P. Savant,

Terms of Office Expired in 1944

J. H. Belknap,
N. W. Dougherty,
A. C. Callen,
S. Fairman,
R. P. Hoelscher.
F. M. Dawson,
C. J. Freund,

Terms of Office Expired in 1945

H. L. Dodge,
C. E. Lawall,
J. C. Elgin,
R. L. Spencer,*
Joseph Weil.
L. J. Fletcher,
C. E. Tucker,

Terms of Office Expired in 1946

E. L. Eriksen,
R. H. Spahr,
W. O. Hotchkiss,
G. L. Sullivan,
W. R. Woolrich.
Thorndike Saville,
F. L. Wilkinson,

Terms of Office Expired in 1947

H. W. Barlow,
L. E. Conrad,
H. L. Dodge,
E. D. Howe,
D. F. Miner,
J. E. Thornton,
A. B. Bronwell,
H. A. Dangel,
W. R. Dumble,
R. C. Kintner,
Glenn Murphy,
H. W. Wood,
E. S. Burdell,
C. L. Dawes,
C. D. Fawcett,
J. H. Lampe,
G. K. Palsgrove,
J. H. Zant.

Terms of Office Expired in 1948

A. W. Turner,
L. S. Letellier,
W. C. White,
F. G. Higbee,
S. C. Lind,
P. N. Lehoczky,
B. E. Short,
W. B. Plank,
D. F. Miner,
W. M. Lansford,
T. C. Hanson,
G. F. Bateman,*
H. McIntyre,
E. D. Howe,
W. O. Birk,
W. R. Woolrich.

Terms of Office Expired in 1949

J. H. Koffolt,
C. G. Brennecke,
C. Wandmacher,
J. H. Zant.
E. S. Burdell,
R. V. James,
J. G. Potter,
W. L. Hughes,*
L. E. Conrad,
S. H. Van Wambeck,
H. H. Armsby,
W. C. White,
O. M. Stone,
E. L. Grant,
L. J. Lassalle,

Terms of Office Expired in 1950

F. L. Schwartz,
G. J. Barker,
L. E. Grinter,
C. A. Brown,
S. S. Steinberg,
O. N. Olson,
J. T. Strate,
J. B. Wilbur,
A. G. Conrad,
R. P. Hoelscher,
L. R. Blakeslee,
F. T. Mavis,
J. K. Walkup,
M. E. Farris.

* Deceased.

CONSTITUTION AND BY-LAWS

AMERICAN SOCIETY FOR ENGINEERING EDUCATION

Formerly the Society for the Promotion of Engineering Education

ARTICLE I

Name and Objects

Section 1. The name of this organization shall be the American Society for Engineering Education.

Section 2. The Society shall be a continuation of the Society for the Promotion of Engineering Education and its organization and purpose shall be expanded so as to include those of the Engineering College Research Association.

Section 3. The purpose of this Society shall be the advancement of education in all its functions which pertain to engineering and allied branches of science and technology, including the processes of teaching and learning, research, extension services, and public relations. The Society shall serve its members as a common agency of stimulation and guidance in: (*a*) the formulation of the general goals and responsibilities of engineering education for the service of individuals and the advancement of general welfare, (*b*) the adjustment of curricula and educational processes to changing conditions; (*c*) the development of effective teachers and administrators; (*d*) the improvement of instructional materials and methods, of personnel practices, and of administrative usages; (*e*) the enhancement of professional ideals and standards; (*f*) the fostering of research as a function collateral to teaching; (*g*) the coordination of institutional aims and programs, both among schools and colleges and in their joint relations with professional, educational, and public bodies; and (*h*) the cultivation of a fraternal spirit among teachers, administrators, investigators, practitioners, and industrialists.

ARTICLE II

Membership

Section 1. Membership in the Society shall be of two general classes, Individual and Institutional.

Section 2. Individual membership shall be of two classes, Active and Honorary. It shall comprise those persons who occupy or have occupied responsible positions in engineering instruction, research, or practice, and other persons interested in engineering education.

Section 3. Honorary members of the Society shall be such persons as may be approved by a favorable vote of at least three-fourths of the members of the General Council in a letter ballot to be taken by the Secretary on the recommendation of twenty members of the Society in the manner provided hereinafter for proposals for individual members. Councilors not heard from within one month from the date of mailing the ballots will be counted in favor of the candidate. Honorary members shall enjoy all the privileges of the Society excepting the right to vote, and to hold office, and shall not be required to pay any fees or dues.

Section 4. A member in good standing may become a life member, exempt from all future payments for dues, by a single payment of an amount equal to twenty times the annual dues for members. Such payments received by the Society shall be placed in a separate fund known as the Life Membership Fund. The interest earned on this fund shall be used as current income.

Section 5. An individual member who has been in good standing for twenty-five (25) years or more, who has reached the age of

sixty-five (65) years, and who has retired from active professional life, may, upon written request, be designated as a life member by vote of the General Council, and shall thereafter be exempt from payment of dues.

Section 6. The name of each candidate for active individual membership shall be proposed in writing to the Secretary by two members of whom the candidate is personally known. The proposal shall state the qualifications on which it is based. An affirmative letter ballot of three-fourths of those members of the General Council whose votes reach the Secretary within one month from the time of sending out the name of the candidate shall elect.

Section 7. Institutional members shall be of three classes: Active, Associate, and Affiliate. Active members shall be institutions which are eligible to participate in either or both of the institutional membership Councils. Associate members shall be professional organizations of engineers, research institutions, and industrial associations or organizations which have a major interest in engineering education. Affiliate members shall be other educational institutions engaged in technical instruction which have one or more curricula accredited by Engineers' Council for Professional Development or which are accredited by a major regional educational association.

Section 8. Active member institutions shall be only those offering curricula leading to baccalaureate or higher degree in engineering and having one or more curricula accredited as such by Engineers' Council for Professional Development, or if not within its jurisdiction must have one or more engineering curricula whose standards as judged by a competent accrediting agency are not lower than those of that Council. In the absence of any such accrediting agency the Executive Board of the Society shall have the power to judge of the equivalence of standards.

Section 9. All institutions which meet the conditions described in section 8 shall be eligible to participate as voting members in the Engineering College Administrative Council. To be eligible for voting participation in the Engineering College Research Council it is further required that the institution's research organization or activity shall have existed for at least three (3) years and shall have expended for engineering research during the three (3) fiscal years next preceding the date of its admission to the Council not less than that sum prescribed in the bylaws of the Engineering College Research Council.

Section 10. An institution may be proposed for membership by an official representative of any member institution who is familiar with the work of the institution proposed; or application for admission may be made directly by a responsible officer of the institution concerned. In either case the proposal or application shall be made in writing, addressed to the Secretary of the Society, and shall indicate the grade of membership applied for and the Council or Councils in which it wishes to participate.

Section 11. The Executive Board shall determine the eligibility of the applicant for membership of any class in the Society. The Executive Board shall have the power to elect Associate and Affiliate members of the Society by letter ballot, but shall refer applications for Active membership to the Executive Committee of each of the Councils in which the applicant desires to participate, each such Executive Committee being empowered to admit the applicant to the Council which it represents. All elections shall require a two-thirds favorable vote of the ballots cast. Institutions thus elected to membership in either or both of the institutional Councils thereby become Active institutional members of the Society.

ARTICLE III

Organization

Section 1. The means to ends specified in Article I, section 3, shall include the establishment of subordinate units of organization as needed to serve local, regional, departmental, or functional interests, the holding of meetings, conferences, and special schools, the setting up of agencies for educational inquiry, research, or planning, and the publication of papers, reports, researches, communications, and other significant materials concerned with engineering education.

Section 2. The Society shall be an organization of individual and institutional members and shall operate in two coordinate areas of activity corresponding to the respective interests of these groups. Its general activities shall be administered by an Executive Board (see Article V). The

activities of its individual members shall be conducted under a General Council (see Article VI) and the activities of its institutional members through an Engineering College Research Council (see Article VIII) and an Engineering College Administrative Council (see Article IX).

The individual members of the Society shall further be organized in groups to function as (*a*) sections in specified territories; (*b*) branches formed by members of single institutions and (*c*) divisions with important subjects of instruction or research, under provisions as hereinafter set forth.

ARTICLE IV

Officers

There shall be a President, who shall be the executive officer of the Society and who shall hold office for one year. There shall be four Vice Presidents, each to hold office for two years, as follows: in connection with the individual membership, a Vice President responsible for General and Regional Activities, and a Vice President responsible for Instructional Divisions, to be elected in alternate years; in connection with institutional membership, a Vice-President responsible for the Engineering College Research Council, and a Vice President responsible for the Engineering College Administrative Council, to be elected in alternate years. There shall be a Secretary, to be appointed annually by a Committee consisting of the President and all Vice Presidents; and a Treasurer, to be elected annually. In case of a vacancy in office of the President, the Vice President for General and Regional Activities shall succeed to that office. In case of a vacancy in the office of the Vice President for General and Regional Activities, the Vice President for Instructional Divisions shall succeed to that office.

ARTICLE V

Executive Board

Section 1. The Executive Board of the Society shall consist of the President, the four Vice Presidents, the Secretary, and the Treasurer. Its function shall be to coordinate the activities of the Society. Its actions shall be final as to (*a*) approval of budgets, (*b*) authorization of publications, (*c*) conventions, (*d*) appointment of officers to fill emergency vacancies, and (*e*) determination of eligibility of institutional members. In all other matters, however, the Executive Board is advisory to the General Council, the Engineering College Research Council, and the Engineering College Administrative Council.

Section 2. The procedure in (*d*) filling emergency vacancies shall be as follows: excepting the Secretary, whose appointment is otherwise provided herein, the Executive Board shall make the appointment on recommendation of the President; provided, however, that, in case of vacancy in the office of a Vice President associated with the institutional membership, the President shall transmit to the Executive Board the recommendation of the Executive Committee concerned. The term of emergency appointments shall be until a successor is regularly elected.

Section 3. In case of a national emergency during which it is impossible for the Society to hold a regular meeting, the Executive Board may take any action on behalf of the Society that it deems necessary and advisable; provided, however, that such action shall be reported to the Society at its first regular meeting thereafter.

Section 4. Each Council of the Society shall report all of its actions to the Executive Board and shall not take an action affecting the interests of another Council until such proposed action has been considered by the Executive Board; provided, however, that in cases where the time element is too critical to permit deliberation by the Executive Board, a Council may, on its own responsibility, take emergency action within its own domain, or if it so authorizes, its Executive Committee may take such action; or provided further that a Council, or its Executive Committee if so authorized, may take such action jointly with another Council where joint interests are involved.

ARTICLE VI

General Council

Section 1. The General Council of the Society shall consist of the President, who shall be chairman, the four Vice Presidents, the Secretary, the Treasurer, the three Junior Past Presidents and a representative of every Division and Section elected by the body concerned for a term of two years

according to a plan of rotation in which one half of such representatives will be chosen each year.

Section 2. Any individual member of the Society shall be eligible for election as such a representative on the General Council.

Section 3. Incumbent elective officers and members of the Council shall continue in office for a period of ten (10) days after the date of the annual meeting or in the event that no annual meeting is held, until ten (10) days after their successors shall have been elected.

Section 4. The actions of the General Council shall be final on all matters concerning the General and Regional Activities and the Instructional Divisions, excepting those herein delegated to the Executive Board.

Section 5. The General Council shall determine its own By-laws which shall conform to the Constitution and By-laws of the Society.

ARTICLE VII

Engineering Colleges Research Council

Section 1. There shall be an engineering College Research Council whose purpose shall be to assist in developing the research facilities of engineering colleges (*a*) to further advanced study in colleges of engineering and to develop and coordinate industrial and scientific research; (*b*) to undertake research designed to promote engineering advancement and economic adjustment in industry, public works, public health, the conservation and development of natural resources, and similar activities; (*c*) to cooperate with other associations and government agencies in the prosecution and promotion of research and to collaborate with them to prevent duplication of effort and achieve maximum utilization, coordination, and development of engineering and scientific research facilities; and (*d*) to publish periodic research reports, studies, papers, and investigations of significant value to engineering colleges and cooperating research agencies.

Section 2. Its membership shall consist of institutions complying with the By-laws of the Research Council. There shall be Active (voting) and Associate (non-voting) membership. Each membership shall be entitled to one or more representatives designated by the proper officer of each member institution. Each Active Institutional membership shall have but one vote. All Institutional memberships shall be admitted by the Research Council.

Section 3. There shall be an Executive Committee of, and constituted by, the Engineering College Research Council; provided, however, that the Vice President of the Society associated with this Council shall be Chairman of the Council; and the President, Treasurer, and Secretary of the Society shall be ex officio advisory members without vote; and its powers shall be those delegated to it by this Council.

Section 4. The Engineering College Research Council shall determine its own By-laws which shall conform to the Constitution and By-laws of the Society.

ARTICLE VIII

Engineering College Administrative Council

Section 1. There shall be an Engineering College Administrative Council whose purpose shall be (*a*) to relate the engineering colleges to public welfare by close cooperation with the agencies of the Government; (*b*) to bring about cooperation among engineering colleges in the interest of the engineering profession, industry, and the public at large; (*c*) to bring about cooperation between the engineering colleges of this country and those of other lands; (*d*) to cooperate with engineering societies, trade organizations, and commercial groups in the interest of engineering education; (*e*) to act as an instrument of inquiry into problems which contribute to effective administration of engineering colleges; (*f*) to make the public conscious of the value of engineering education as a preparation for service to society in a technologic civilization.

Section 2. Its membership shall include one duly appointed representative of each such Active Institutional Members and Associate Institutional Members (non-voting) as are admitted to the Engineering College Administrative Council.

Section 3. There shall be an Executive Committee of, and constituted by, the Engineering College Administrative Council; provided, however, that the Vice President of the Society associated with this Council shall be Chairman of the Council; and the

President, Treasurer, and Secretary of the Society shall be ex officio advisory members without vote; and its powers shall be those delegated to it by this Council.

Section 4. The Engineering College Administrative Council shall determine its own By-laws which shall conform to the Constitution and By-laws of the Society.

ARTICLE IX

Sections, Branches, and Divisions

Section 1. A section of the Society may be formed by members of the Society in two or more institutions and for all members within a territory prescribed by the General Council. A Section may be formed by a temporary organization which shall become a duly authorized section of the Society upon the approval of the General Council. Sections may determine their own form of organization, but shall operate in conformity with the Constitution and the By-laws of the Society and shall make a report of their proceedings to the Secretary of the Society. Sections shall be self-sustaining.

Section 2. A Branch may be formed by members of the Society in any one or more institution(s) by a temporary organization, which shall become a duly authorized Branch of the Society upon approval by the Executive Board. Branches may determine their own form of organization, but shall operate in conformity with the Constitution and the By-laws of the Society and shall make a report of their proceedings to the Secretary of the Society. Branches shall be self-sustaining.

Branches may cooperate with, or be a part of, other organizations having the same general purposes as this Society. The general purpose of Branches is to extend the interest in, and the discussion of, questions relating to the teaching of engineering students and to bring to the Society at large, through its publications, the activities in all institutions that will be serviceable to the members of the Society.

Section 3. Papers and discussions presented before Sections or Branches shall be the property of the Society and may be published as Society proceedings if authorized by the Publication Committee. Permission to publish such papers and discussions elsewhere may be granted by the Executive Board of the General Council on condition that the Society receives proper credit.

Section 4. The General Council may establish Divisions of the Society in areas of instructional responsibility generally existing in engineering colleges, e.g., mathematics, electrical engineering, etc., and in fields of major interest within the Society not directly related to instruction.

Section 5. The Executive Board, the General Council, the Engineering College Research Council, and the Engineering College Administrative Council may establish committees in their respective domains as prescribed in the By-laws.

ARTICLE X

Election of Officers

Section 1. The President, Treasurer and two Vice Presidents, who must be members of the Society, shall be elected at the annual meeting by ballot of the individual membership present. The President and Treasurer shall be elected annually and the two Vice Presidents associated with individual membership shall be elected in alternate years for respective terms of two years. The two Vice Presidents associated wth institutional membership shall be elected at the anual meeting of the Society in alternate years for respective terms of two years by their respective Councils.

Section 2. There shall be a Nominating Committee consisting of the three Junior Past Presidents, senior member to be chairman, and those General Council members elected by the Sections and Divisions whose terms expire in the year in which the annual meeting is held.

Section 3. By means of a form to be printed in The Journal of Engineering Education or in the preliminary program of the annual meeting, an opportunity shall be given to individual members of the Society to submit names of persons to be considered for said officers. These names, on the form provided, shall be sent to the Secretary of the Society not less than sixty (60) days prior to the annual meeting; and the Secretary shall submit the suggested names to all members of the Nominating Committee.

ARTICLE XI

Dues

Section 1. There shall be no admission fee.

Section 2. The annual dues shall be as stated in the By-laws of the Society, and any change in the dues of individual membership shall be determined by letter ballot of such membership.

Section 3. A member elected prior to February 1 in any fiscal year shall pay the full dues of that year; if elected after February 1, he shall pay half the dues of that year.

Section 4. Dues are payable in advance at the beginning of each fiscal year and shall be considered in arrears if not paid by the end of the fiscal year for which they are assessed. Dues of new members are payable at the time of election and shall be considered in arrears if not paid by the end of the fiscal year within which they are elected.

Section 5. Members in arrears one year shall be retained on the roll of the Society, but shall not receive publications until such time as all arrearages are paid. Members in arrears two years, and who have been duly notified by the Secretary, shall be dropped from the roll of the Society until such arrearages are paid. The Secretary shall notify all members in arrears one month previous to the close of the fiscal year.

ARTICLE XII

Meetings

There shall be at least one annual meeting at such time and place as the Society at the preceding meeting, or the Executive Board, if the Society does not act, may determine. The Executive Board shall authorize the time and place of meetings held under the auspices of Divisions and Committees excepting those held at national conventions of the Society.

ARTICLE XIII

Publications

The Executive Board shall authorize all official publications of the Society and shall also prescribe the rights of the several grades of members in connection with these publications.

ARTICLE XIV

Amendments

This constitution may be amended by a favorable vote of the individual members of the Society, the proposed amendment being approved if at least two-thirds of the ballots returned within thirty (30) days after they are mailed out are favorable; and provided further (*a*) that the proposed amendment has first been voted upon by each of the three Councils of the Society and (*b*) that the results of such votes be recorded in the notice sent out to the membership with the ballots.

BY-LAWS OF THE SOCIETY

First. The Exective Board shall arrange for the annual meeting and prepare a program for it.

Second. Each Vice President shall submit a proposed budget for the activities for which he is responsible, to the Executive Board through the Secretary, who shall incorporate it with the General Budget so that the total proposed budget may be submitted to the Executive Board before May 1.

Third. Disbursements from the funds of the Society shall be made by the Treasurer in accordance with the approved budget or a direct appropriation authorized by the Executive Board for a special purpose, and upon vouchers signed by the Secretary of the Society.

Fourth. The annual dues shall be as follows:

Individual members
1. Librarians and grades under associate professor $5.50
2. Associate professors 6.00
3. All others 7.00

Institutional members
1. Active members
   a. Participating in both Institutional Councils, $50.00
   b. participating in only one Institutional Council, $35.00
2. Associate Members, $50.00
3. Affiliate Members, $25.00

Fifth. The fiscal year of the Society shall be July 1 to June 30.

Sixth. The Secretary of the Society shall be secretary of the Executive Board.

Seventh. Committees, excepting the Executive Committees, reporting to the Execu-

tive Board and to the General Council shall be authorized by these respective bodies and appointed by the President. Committees reporting to either of the Institutional Councils shall be authorized by the Executive Committee concerned and be appointed by the Vice President concerned. Committees of Sections, Branches, or Divisions shall be authorized by the body concerned and be appointed by the Chairman of the body concerned.

Eighth. There shall be a Publication Committee consisting of the President, junior Past President, and the Secretary of the Society who shall be chairman. It shall be responsible to the Executive Board for the general administration of all official publications of the Society.

The Secretary of the Society shall have direct charge and be editor of all publications authorized by the Executive Board excepting those so authorized for the Engineering College Research Council and the Engineering College Administrative Council, which shall be edited and published in accordance with plans of procedure recommended by these respective Councils and approved by the Executive Board; provided, however, that the plans shall include a Subcommittee of the Publication Committee for each of said Councils, the personnel of the Subcommittee to be recommended by the Council concerned and approved by the Executive Board.

The selling price of all publications shall be determined by the Executive Board on recommendation of the Publication Committee.

All income from publications shall be classified as income of the Society applicable to the annual budget of the Society.

Ninth. These By-laws, excepting as they relate to dues of individual members, may be amended by a two-thirds vote of the members present at any regular meeting of the Society, provided that all individual and institutional members have been notified of the proposed amendment by notices mailed by the Secretary's Office at least thirty (30) days prior to the said regular meeting at which action is to be taken, and provided further that the proposed amendment has first been voted upon by each of the three Councils of the Society and the results of such vote recorded in the notice sent out for the meeting at which the proposed amendment is to be acted upon.

The dues of individual members may be changed only by a favorable vote by letter ballot of individual members.

BY-LAWS

ENGINEERING COLLEGE ADMINISTRATIVE COUNCIL

(Adopted November, 1948) *

I. Name

The name of this organization shall be the Engineering College Administrative Council of the American Society for Engineering Education.

II. Purposes

The purposes of the Engineering College Administrative Council, as set forth in Article IX (Section 1) of the Constitution of The American Society for Engineering Education, shall be:

a). To relate the engineering colleges to public welfare by close cooperation with the agencies of the Government;

b). To bring about cooperation among engineering colleges in the interest of the engineering profession, industry, and the public at large;

c). To bring about cooperation between the engineering colleges of this country and those of other lands;

d). To cooperate with engineering societies, trade organizations, and commercial groups in the interest of engineering education;

e). To act as an instrument of inquiry into problems which contribute to effective administration of engineering colleges;

f). To make the public conscious of the value of engineering education as a preparation for service to society in a technologic civilization.

III. Membership

Membership in the Engineering College Administrative Council shall consist of one duly appointed representative of each such Active Institutional Members and Associate Institutional Members (non-voting) as are admitted to the Engineering College Administrative Council.

* Tentative By-Laws, subject to approval by ASEE Committee on Constitution and By-Laws.

IV. Executive Committee

1. There shall be an Executive Committee of, and constituted by, the Engineering College Administrative Council; provided, however, that the Vice President of the Society associated with this Council shall be Chairman of the Council; and the President, Treasurer, and Secretary of the Society shall be ex-officio advisory members without vote; and its powers shall be those delegated to it by this council.

2. The Executive Committee shall consist of seven (7) elected members including its officers. These members shall be duly appointed representatives of Active Institutional members and shall constitute the voting members of the Executive Committee.

V. Officers

1. The officers of the Engineering College Administrative Council shall consist of a Chairman and a Secretary who shall perform the duties which usually devolve upon those officers.

2. The Chairman, the Secretary, and the remaining five (5) members of the Executive Committee shall be elected by the method provided in these By-Laws for terms of two (2) years, except that at the first election after adoption of these By-Laws two (2) members of the Executive Committee, other than the officers, shall be elected for one (1) year terms.

3. Any elected office of the Engineering College Administrative Council may be reelected to succeed himself for two (2) consecutive terms; thereafter at least one (1) term shall elapse before he is again eligible to hold the same office.

4. In case of vacancy of the office of Chairman, that office shall be filled by a special election for that purpose to fill the unexpired term. In case of vacancy of the office of Secretary or a vacancy in the mem-

bership of the Executive Committee, the remaining members of the Executive Committee shall fill the vacancy for the unexpired term by a majority vote.

5. The term of newly-elected officers except those filling vacancies shall begin ten (10) days after the annual election. The terms of office of those elected to fill vacancies shall begin immediately after their election.

VI. Elections

The Chairman and Secretary of the Engineering College Administrative Council and two (2) members thereof shall be elected biennially; with the exception noted in Article X, Section 2. The three (3) remaining members of the Executive Committee shall be elected in the alternate years.

2. Prior to each annual meeting of the Society, the Chairman of the Executive Committee of the Engineering College Administrative Council, with the approval of that Committee, shall appoint a Nominating Committee of three (3) members to serve for the elections during that annual meeting. The Nominating Committee shall nominate one or more members for each vacancy on the Executive Committee which nominations shall be presented at a session of the Administrative Council for a viva voice vote. Elections shall be by majority vote for each office.

VII. Fiscal Year

The fiscal year of the Engineering College Administrative Council shall be from July 1 to June 30.

VIII. Meetings

1. A meeting for the transaction of the business of the Engineering College Administrative Council shall be held each year at approximately the same time and place as the annual meeting of the American Society for Engineering Education. The time and place of the annual meeting of the Council shall be announced to the membership of the Council not less than sixty (60) days before the date of the meeting.

2. Special meetings of the Engineering College Administrative Council may be called by the Chairman of the Executive Committee as needed upon reasonable notice to the membership of the Council.

IX. Amendments to By-Laws

These By-Laws may be amended by a two-thirds vote of the members of the Engineering College Administrative Council present at any annual meeting. Amendments may be submitted by majority vote of the members of the Executive Committee of the Council, or by petition signed by not fewer than ten (10) members of the Council. Proposed amendments shall be circulated by mail to members of the Council not less than thirty (30) days prior to the annual meeting at which the amendments will be presented for adoption.

BY-LAWS

ENGINEERING COLLEGE RESEARCH COUNCIL

Formerly the Engineering College Research Association

(As Amended, June, 1948)

I. Name

The name of this organization shall be the Engineering College Research Council of the American Society for Engineering Education.

II. Purposes

The purposes of the Engineering College Research Council, as set forth in Article VIII (Section 1) of the Constitution of the American Society for Engineering Education, shall be to assist in developing research facilities of engineering colleges:

a). To further advanced study in colleges of engineering and to develop and coordinate industrial and scientific research;

b). To undertake research designed to promote engineering advancement and economic adjustment in industry, public works, public health, and conservation and development of natural resources, and similar activities;

c). To cooperate with other associations and government agencies in the prosecution and promotion of research and to collaborate with them to prevent duplication of effort and achieve maximum utilization, coordination, and development of engineering and scientific research facilities; and

d). To publish periodic reports, studies, papers, and investigations of significant value to engineering colleges and cooperating research agencies.

III. Membership

1. Active membership in the Engineering College Research Council shall be confined to institutions of higher education granting degrees in engineering, which normally require four or more years of academic study and which have one or more engineering curricula accredited by the Engineers' Council for Professional Development, *provided* that the research organization or activity of the institution shall have existed for at least three (3) years and that the institution shall have expended for engineering research during the three fiscal years next preceding the date of its admission to the Council not less than ten thousand dollars ($10,000). The term "research" as used herein means original investigations including the discovery of new processes, devices, or materials and does not include routine testing. Membership may preferably be taken out by the institution in the name of its Engineering Experiment Station, Engineering Research Institute or Division, or Engineering College, School, or Department.

2. A member institution must maintain a high record of performance in engineering research to remain in good standing as an active member.

3. Associate membership shall be confined to libraries, associations, companies, or individuals having an interest in engineering research such as to warrant, in the opinion of the Executive Committee of the Council, affiliation with the Council. Associate members shall have no vote, but may otherwise participate in all of the activities of the Council.

4. An institution may be proposed for membership in the Engineering College Research Council by an official representative of any member institution who is familiar with the work of the institution proposed; or application for admission may be made directly by a responsible officer of the institution concerned.

5. Applications for membership in the Engineering College Research Council shall be addressed to the Secretary of the American Society for Engineering Education, who shall refer such applications to the Execu-

tive Committee of the Engineering College Research Council.

6. Membership shall be conferred by the Executive Committee of the Engineering College Research Council by a two-thirds vote of the members of the Committee, after the eligibility of the applicant for membership in the Council shall have been determined by the Executive Board of the American Society for Engineering Education.

7. Membership in the Engineering College Research Council may be cancelled by a three-fourths vote of the members of the Council present at a called meeting and upon the recommendation of the Executive Committee for such causes as (1) poor technical performance, (2) acts tending to bring the Council into disrepute.

8. The executive Committee of the Engineering College Research Council may cancel membership in the Council for nonpayment of dues.

9. Each active member of the Engineering College Research Council shall be entitled to one vote. The vote for each institutional member shall be cast by the person authorized by the President of the Institution as its representative to the Council.

IV. Dues

Dues to be paid for membership in the Engineering College Research Council shall be as specified in the Constitution and By-laws of the American Society for Engineering Education and shall be payable to the Treasurer of that Society.

V. Officers

1. The officers of the Engineering College Research Council shall consist of a Chairman, two Vice-Chairmen, a Secretary, and six Directors. These officers, with the exception of the Secretary, shall constitute the voting members of the Executive Committee of the Council.

2. The President, Secretary, and Treasurer of the American Society for Engineering Education shall be ex-officio advisory members without vote of the Executive Committee of the Engineering College Research Council.

3. The Chairman and two Vice-Chairmen of the Engineering College Research Council shall be elected by the method provided in these By-laws for two (2) years. The Directors shall be elected by the method provided in these By-laws for terms of three (3) years. The Secretary shall be appointed by the Executive Committee.

4. The Chairman of the Engineering College Research Council shall perform the executive duties which usually devolve upon that office. He shall, by virtue of his office in the Engineering College Research Council, hold office as a Vice-President of the American Society for Engineering Education.

5. The Chairman of the Engineering College Research Council, with the advice of the Executive Committee, shall appoint such committees as are deemed necessary; except that he shall recommend to the President of the American Society for Engineering Education the personnel of the Engineering College Research Council Committee on Publications which shall constitute a Subcommittee of the Publication Committee of the American Society for Engineering Educaton, the personnel of which shall be approved by the Executive Board of the American Society for Engineering Education.

6. The Chairman of the Engineering College Research Council shall receive and account for all gifts of funds or property to the Council and shall approve all bills and vouchers for payment by the Treasurer of the American Society for Engineering Education to cover expenses of the Engineering College Research Council.

7. The functions and duties of the Executive Committee of the Engineering College Research Council shall be as follows:

a). The Executive Committee shall have charge of all matters relating to the expenditure of funds budgeted to the Engineering College Research Council by the Executive Board of the American Society for Engineering Education, the making of contracts, and the approval of bills.

b). The Executive Committee shall authorize all official publications of the Council as provided by Article VIII (Section 1) of the Constitution of the American Society for Engineering Education.

c). During intervals between meetings of the Engineering College Research Council, the Executive Committee shall formulate the general policies of the Council.

d). The Executive Committee shall, before May 1 of each year, prepare an Engineering College Research Council budget

for the following fiscal year to be submitted to the Executive Board of the American Society for Engineering Education by the President of the Council.

e). The Executive Committee shall submit a report of its activities at each annual meeting of the Council.

f). A quorum of the Executive Committee for the transaction of business shall comprise five (5) of its voting members.

8. Any elected officer of the Engineering College Research Council may be re-elected to succeed himself for two (2) consecutive terms. Thereafter at least one term shall elapse before he is again eligible to hold the same office.

9. A member of the Executive Committee of the Engineering College Research Council may be elected to an office of the Council other than the one he holds, but his former membership on the Committee shall cease and another person shall be elected at once to finish his unexpired term as a member of the Committee.

10. In case of vacancy of the office of Chairman, the Senior Vice-Chairman shall succeed to that office. Any vacancy in an office of the Executive Committee except that of the Chairman shall be filled by a special election for that purpose.

11. No elected officer may receive any salary from the Engineering College Research Council.

12. The term of newly-elected officers shall begin on July 1 following the annual election. In the case of special elections, the term of the newly elected officers shall begin ten (10) days after their election. Elected officers shall hold office until their successors shall have been elected and qualified.

VI. Elections

1. The Chairman of the Engineering College Research Council shall be elected biennially. One Vice-Chairman and two Directors shall be elected annually.

2. At each annual meeting the Executive Committee of the Engineering College Research Council shall elect by majority vote of those present a Nominating Committee of three (3) members to serve during the ensuing year. For regular annual elections of officers, the Nominating Committee shall nominate one or more members for each vacancy. A letter ballot containing these nominations with spaces provided for writing names of candidates other than those nominated shall be circulated to the members not less than sixty (60) days before the date of the annual meeting and shall be returnable to the Secretary of the Council not later than five (5) days before the date of the annual meeting. Election shall be by plurality vote for each office.

3. Special elections to fill vacancies in the membership of the Executive Committee shall be conducted by the method just described except that a nomination or nominations shall be made by the Nominating Committee within thirty (30) days after the vacancy occurs and the ballots shall be canvassed within thirty (30) days after the date of mailing ballot forms to members.

VII. Fiscal Year

The fiscal year of the Engineering College Research Council shall be from July 1 to June 30.

VIII. Meetings

1. A meeting for the transaction of the business of the Engineering College Research Council shall be held each year at approximately the same time and place as the annual meeting of the American Society for Engineering Education. The time and place of the annual meeting of the Council shall be announced to the membership of the Council not less than sixty (60) days before the date of the meeting.

2. Special meetings of the Engineering College Research Council may be called by the Executive Committee as needed upon thirty (30) days' notice to the membership of the Council.

3. Meetings of the Executive Committee of the Engineering College Research Council may be called by the Chairman as needed upon fifteen (15) days' notice to the membership of the Committee.

IX. Gifts

1. The Engineering College Research Council may accept gifts from individuals, firms, or associatons, from the Federal Government, or from State Governments, or their agencies, provided that such gifts are for the furtherance of the purposes of the Council.

2. Custody of funds or property received as gifts of the Engineering College Research

Council shall be the responsibility of the Chairman of the Council.

3. The Engineering College Research Council may use, expend, or dispose of the funds or property received from gifts or from other sources in accord with the terms of the gifts or, as near as may be, in carrying out their general objects and purposes and may generally expend the funds in furtherance of the purposes of this organization as set forth in these By-laws and in Article VIII (Section 1) of the Constitution of the American Society for Engineering Education.

X. Amendments to By-Laws

These By-laws may be amended by a two-thirds vote of the members of the Engineering College Research Council canvassed by letter ballot. Proposed amendments shall be submitted in writing to the Secretary of the Council by petition signed by not fewer than ten (10) members of the Council. Proposed amendments shall be circulated by mail to the members of the Council and shall be voted upon by letter ballot, the vote to be canvassed by the Secretary not less than thirty (30) days following the circulation of the amendment.

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